

Dimitris Chatzopoulos, PhD

Research Assistant Professor, Computer Science and Engineering, The Hong Kong University of Science & Technology
dcab@cse.ust.hk www.cse.ust.hk/~dcab +852 68420983

CV and List of Publications

Education

- 2013/8 – 2018/8 **PhD**, in *Computer Science & Engineering*, Department of Computer Science & Engineering, Hong Kong University of Science and Technology (HKUST), Hong Kong.
- 2010/10 – 2013/6 **MSc**, in *Computer Science & Telecommunications*, Department of Electrical & Computer Engineering, University of Thessaly, Greece.
- 2005/9 – 2010/9 **Diploma**, in *Electrical & Computer Engineering (5-year studies)*, University of Thessaly, Greece.

Research Experience

- 2019/9 – now **Research Assistant Professor**, Department of Computer Science & Engineering, HKUST, HK.
Research foci: (a) data marketplaces, (b) mobile and distributed ledgers, (c) privacy-preserving mobile systems, (d) federated learning.
Responsibilities: Proposal writing, teaching, supervising students.
Outcomes: (i) Submitted research proposals in (i.a) Research Grant Council of HK, (i.b) European Union for the Horizon 2020 program with fifteen European organisations and universities, (i.c) WeBank. (ii) Published conference and journal papers and I have papers under review and revisions, (iii) Established collaborations with research groups in Asia and Europe. (iv) Taught “Introduction to Computer Science” in Fall 2020, a first-year course with more than 1200 students from the School of Engineering and assigned to teach “Introduction to Computer Science” and “Programming with C++” in Spring 2021. (v) Supervised two groups on their final year projects and fifteen undergraduate students in semester-long research projects.
- 2018/9 – 2019/9 **Postdoctoral Fellow**, Department of Computer Science & Engineering, HKUST, Hong Kong.
Research foci: (a) mobile distributed ledgers, (b) smart contracts, (c) privacy-preserving computations.
Responsibilities: assisting on proposal writing and supervising students.
Outcomes: (i) submitted research proposals, (ii) conference and journal papers (C_9 , J_8 , W_5 and J_9) and papers under review and revisions, (iii) established collaborations with research groups in Europe.
- 2017/9 – 2018/8 **Research Assistant**, Department of Computer Science and Engineering, HKUST, Hong Kong.
Research foci: (a) device-to-device ecosystems, (b) decentralised incentive and reputation mechanisms.
Responsibilities: assisting on proposal writing and supervising students.
Outcomes: (i) submitted research proposals, (ii) one journal paper (J_5) and one conference paper (C_8).
- 2017/9 – 2019/9 **Researcher**, GRF Project: “Using Mobile Big Data Analytics to Design and Deploy Scalable Opportunistic Networks”, project coordinator: Prof. Pan Hui, HKUST, Hong Kong.
Research foci: (a) mobile big data analytics, and (b) opportunistic networks.
Responsibilities: assisting on proposal writing and delivery reports.
Outcomes: conference and journal papers (J_2 , J_5 , J_7 , W_3 and W_4).
- 2016/1 – 2019/9 **Researcher**, GRF Project: “OpenRP: Design and Implementation of a Reputation Middleware for Mobile Crowd Computing and Networking Applications”, project coordinator: Prof. Pan Hui, HKUST, Hong Kong.
Research foci: (a) device-to-device ecosystems, (b) decentralised incentive and reputation mechanisms, and (c) computation offloading.
Other responsibilities: assisting on proposal writing and delivery reports.
Outcomes: three journal papers (J_1 , J_4 and J_5), one journal paper (\hat{J}_{10}), three conference papers (C_2 , C_3 and C_6), two workshop papers (W_1 and W_2), and three posters (P_1 , P_4 and P_3).
- 2012/1 – 2012/12 **Researcher**, IKYDA project “Optimal Management of Storage in Communication Networks and Cloud System”, project coordinators: Dr. Iordanis Koutsopoulos, Dr. Georgios Smaragdakis, Volos, Greece & Berlin, Germany.
Research focus: virtual machine placement in cloud computing ecosystems.
Other responsibilities: assisting on proposal writing and delivery reports.
Outcomes: one conference paper (C_1).
- 2010/9 – 2013/6 **Freelance Java and C developer**, Volos, Greece.
Responsibilities: software development using Java and C programming languages.

CCNA, *Cisco Certified Network Associate*, Volos, Greece.

Research focus: experimentation with Cisco Internetwork Operating System.

Theses

- PhD Summer 2018 **Title**: “Design and Analysis of Decentralized Incentive and Reputation Mechanisms for Device to Device Ecosystems,”
Thesis committee: Prof. Pan Hui (Supervisor), Prof. Gary Chan, Prof. Dimitris Papadopoulos, Prof. Yi Yang, Prof. Dah-Ming Chiu (External).
- MSc Spring 2013 **Title**: “Resource allocation in Cloud Computing,”
Thesis committee: Prof. Iordanis Koutsopoulos (Supervisor), Prof. Leandros Tassioulas, Prof. Dimitrios Katsaros.
- Diploma Spring 2010 **Title**: “Resource allocation in Wireless Networks using Game Theoretic models,”
Thesis committee: Prof. Iordanis Koutsopoulos (Supervisor), Prof. Leandros Tassioulas.

Received Funding

1/1/2021 - now **Project title**: Physical Attributes and Wearing Identification, **Sponsor**: WeBank

Teaching Experience in CSE Department of HKUST

Courses

- Fall 2020 Introduction to Computer Science
 Spring 2021 Programming with C++

Final year projects in 2020-21

- Mobile clients for data marketplaces
 Decentralized data marketplaces

Undergraduate Research Opportunities projects in 2020-21

- Decentralized mobile applications
 Introduction to smart contract development
 Practical machine learning-based mobile applications
 Introduction to brain-computer interfaces

Publications

- Bibliometrics** citations: 693, h-index: 13, i10-index: 15 *as of January 30th 2021*
- Conferences: 11 IEEE INFOCOM (×2), ACM Multimedia (×2), IEEE ICC (×2), IEEE ICDCS, IJCAI , ACM Multimedia Systems, IEEE MASS, IEEE WoWMoM
- Journals: 11 IEEE Transactions on Mobile Computing (×2), ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (2), IEEE Communications Magazine (×2), IEEE Access (×2), IEEE Transactions on Network and Service Management, Wiley Concurrency & Computation: Practice and Experience, IET Blockchain

Journals

- J_{11} Pierre Schutz, Stanislas Gal, Dimitris Chatzopoulos, and Pan Hui, “Decentralizing Indexing and Bootstrapping for Online Applications”, **IET Blockchain journal**, *to appear*
- J_{10} Dimitris Chatzopoulos, Carlos Bermejo, Sokol Kosta, and Pan Hui, “Offloading Computations to Mobile Devices and Cloudlets via an Upgraded NFC Communication Protocol”, **IEEE Transactions on Mobile Computing**, Volume 19 , Issue 3 , March 2020.
- J_9 Yao-Chieh Hu, Ting-Ting Lee, Dimitris Chatzopoulos, and Pan Hui, “Analyzing Smart Contract Interactions and Contract Level State Consensus”, **Wiley Concurrency and Computation: Practice and Experience**, e5228. <https://doi.org/10.1002/cpe.5228>.
- J_8 Kirill A. Shatilov, Dimitris Chatzopoulos, Alex Wong Tat Hang, and Pan Hui, “Using Deep Learning and Mobile Offloading to Control a 3D-printed Prosthetic Hand”, **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies**, Volume 3, Issue 3, Article 102, Sept. 2019.
- J_7 Young D. Kwon, Dimitris Chatzopoulos, Ehsan Ul Haq, Raymond Chi-Wing, Pan Hui, “GeoLifecycle: User Engagement of Geographical Exploration and Churn Prediction in LBSNs”, **Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies**, Volume 3, Issue 3, Article 92, Sept. 2019.

- J_6 Leila Rashidi, Reza Entezari-Maleki, Dimitris Chatzopoulos, Pan Hui, Kishor S. Trivedi, and Ali Movaghar “Performance Evaluation of Epidemic Content Retrieval in DTNs With Restricted Mobility”, **IEEE Transactions on Network and Service Management**, vol. 16, no. 2, pp. 701-714, June 2019.
- J_5 Dimitris Chatzopoulos, Carlos Bermejo, Ehsan ul Haq, Yong Li, and Pan Hui, “D2D Task Offloading: A Dataset-based Q&A”, **IEEE Communications Magazine**, vol. 57, no. 2, pp. 102-107, 2019.
- J_4 Dimitris Chatzopoulos, Mahdieh Ahmadi, Sokol Kosta and Pan Hui, “FlopCoin: A Cryptocurrency for Computation Offloading”, **IEEE Transactions on Mobile Computing**, vol. 17, no. 5, pp. 1062-1075, 2018.
- J_3 Dimitris Chatzopoulos, Carlos Bermejo, Zhanpeng Huang, and Pan Hui, “Mobile Augmented Reality Survey: From Where We Are to Where We Go”, **IEEE Access**, Vol. 5, pp. 6917 - 6950, 2017.
- J_2 Hasan M A Islam, Dimitris Chatzopoulos, Dmitriy Lagutin, Pan Hui and Antti Yla-Jaaski, “Boosting the Performance of Content Centric Networking using Delay Tolerant Networking Mechanisms”, **IEEE Access**, Vol. 5, pp. 23858 - 23870, 2017.
- J_1 Dimitris Chatzopoulos, Mahdieh Ahmadi, Sokol Kosta and Pan Hui, “OPENRP: A Reputation Middleware for Opportunistic Crowd Computing”, **IEEE Communications Magazine**, Vol. 54(7),pp. 115 - 121, 2016.
- Under Major Revisions Vlasios Koutsos, Dimitrios Papadopoulos, Dimitris Chatzopoulos, Sasu Tarkoma, and Pan Hui, “Agora: A Privacy-Aware Data Marketplace”, **IEEE Transactions on Dependable and Secure Computing** - *Under Major Revisions*
- Under Major Revisions Kirill Shatilov, Dimitris Chatzopoulos, Lik-Hang Lee, and Pan Hui, “Emerging ExG-based NUI Inputs in Extended Realities:A Bottoms-Up Survey”, **IEEE Transactions on Interactive Intelligent Systems** - *Under Major Revisions*

■ Conferences

- C_{11} Carlos Bermejo, Dimitris Chatzopoulos, and Pan Hui, “EyeShopper: Estimating Shoppers’ Gaze using CCTV Cameras”, **ACM Multimedia 2020**.
- C_{10} Dimitris Chatzopoulos, Sujit Gujar, Boi Faltings, and Pan Hui, “Mneme: A Mobile Distributed Ledger”, **IEEE INFOCOM 2020**.
- C_9 Moin Hussain Moti, Dimitris Chatzopoulos, Pan Hui, and Sujit Gujar “FaRM: Fair Reward Mechanism for Information Aggregation in Spontaneous Localized Settings”, **IJCAI 2019**.
- C_8 Dimitris Chatzopoulos, Sujit Gujar, Boi Faltings, and Pan Hui, “Privacy Preserving and Cost Optimal Mobile Crowdsensing using Smart Contracts on Blockchain”, **IEEE MASS 2018**.
- C_7 Dimitris Chatzopoulos, Carlos Bermejo Fernandez, Zhanpeng Huang, Arailym Butabayeva, Rui Zheng, Morteza Golkarifard and Pan Hui, “Hyperion: A Wearable Augmented Reality System for Text Extraction and Manipulation in the Air”, **ACM Multimedia Systems 2017**.
- C_6 Kathleen Sucipto, Dimitris Chatzopoulos, Sokol Kosta and Pan Hui, “Keep Your Nice Friends Close, but Your Rich Friends Closer - Computation Offloading Using NFC”, **IEEE INFOCOM 2017**.
- C_5 Tristan Braud, Farshid Hassani Bijarbooneh, Dimitris Chatzopoulos, and Pan Hui, “Future Networking Challenges: The Case of Mobile Augmented Reality”, **IEEE ICDCS 2017**.
- C_4 Dimitris Chatzopoulos and Pan Hui, “ReadMe: A Real-Time Recommendation System for Mobile Augmented Reality Ecosystems”, **ACM Multimedia 2016**.
- C_3 Dimitris Chatzopoulos, Mahdieh Ahmadi, Sokol Kosta, and Pan Hui, “Have You Asked Your Neighbors? A Hidden Market Approach for Device-to-Device Offloading”, **IEEE WoW-MoM 2016**.
- C_2 Dimitris Chatzopoulos, Kathleen Sucipto, Sokol Kosta, and Pan Hui, “Video Compression in the Neighborhood: An Opportunistic Approach”, **IEEE ICC 2016**.
- C_1 Dimitris Hatzopoulos, Iordanis Koutsopoulos, George Koutitas, and Ward van Hedenghem, “Dynamic Virtual Machine Allocation in Cloud Server Facility Systems with Renewable Energy Sources”, **IEEE ICC 2013**.

■ Workshops

- W_7 Kamalesh Palanisamy, Vivek Khimani, Moin Hussain Moti, and Dimitris Chatzopoulos, “SplitEasy: A Practical Approach for Training ML models on Mobile Devices in a split second”, **ACM HotMobile 2021**

- W_6 Moin Hussain Moti, Dimitris Chatzopoulos, Pan Hui, Boi Faltings and Sujit Gujar, “Orthos: A Trustworthy AI Framework For Data Acquisition”, **AAMAS - EMAS 2020**.
- W_5 Tong Li, Ahmad Alhilal, Anlan Zhang, Mohammad A. Hoque, Dimitris Chatzopoulos, Zhu Xiao, Yong Li and Pan Hui, “Driving Big Data: A First Look at Driving Behavior Via a Large-scale Private Car Dataset”, **IEEE ICDE - DASC 2019**.
- W_4 Mattia Giovanni Campana, Dimitris Chatzopoulos, Franca Delmastro, and Pan Hui, “Lightweight Modeling of User Context Combining Physical and Virtual Sensor Data”, **Ubicomp - CDP 2018**.
- W_3 Yao-Chieh Hu, Ting-Ting Lee, Dimitris Chatzopoulos, and Pan Hui, “Hierarchical interactions between Ethereum smart contracts across Testnets”, **ACM Mobisys - CryBlock 2018**.
- W_2 Dimitris Chatzopoulos and Pan Hui, “Asynchronous Reputation Systems in Device-to-Device Ecosystems”, **ACM MobiHoc - HotPOST 2016**.
- W_1 Carlos Bermejo Fernandez, Dimitris Chatzopoulos, and Pan Hui, “How Sustainable is Social Based Mobile Crowdsensing? An Experimental Study”, **IEEE ICNP - HotPNS 2016**.

■ Posters

- P_4 Vlasios Koutsos, Dimitrios Papadopoulos, Dimitris Chatzopoulos, Sasu Tarkoma and Pan Hui, “Agora: a Privacy-aware Data Marketplace”, **IEEE ICDCS 2020**.
- P_3 Dimitris Chatzopoulos, Sujit Gujar, Boi Faltings and Pan Hui, “LocalCoin: An Ad-hoc Payment Scheme for Areas with High Connectivity”, **ACM MobiHoc 2016**.
- P_2 Dimitris Chatzopoulos and Pan Hui, “Asynchronous Reputation Systems in Device-to-Device Ecosystems”, **IEEE WoWMoM 2016**.
- P_1 Dimitris Chatzopoulos, Pan Hui and Di Huang, “Fides: A Hidden Market Approach for Trusted Mobile Ambient Computing”, **IEEE INFOCOM 2015**.

■ Book Chapters

- BC_3 Tristan Braud, Dimitris Chatzopoulos, Pan Hui, “Machine Type Communications in 6G”, **Springer**
- BC_2 Dimitris Chatzopoulos, Pan Hui, and Gunnar Karlsson, “Reputation Management on D2D Ecosystems”, **Taylor & Francis 2018**.
- BC_1 Carlos Bermejo, Dimitris Chatzopoulos Pan Hui, and Gunnar Karlsson, “Human Behavior in Crowd-Assisted Computing and Networking”, **Taylor & Francis 2018**.

■ Tech. Reports

- R_{10} Dimitris Chatzopoulos, Anurag Jain, Sujit Gujar, Boi Faltings, Pan Hui, “Towards Mobile Distributed Ledgers”, arXiv:2101.04825, 2021
- R_9 Christodoulos Pappas, Dimitris Chatzopoulos, Spyros Lalis, and Manolis Vavalis, “IPLS: A Framework for Decentralized Federated Learning”, arXiv:2101.01901, 2021
- R_8 Kamallesh Palanisamy, Vivek Khimani, Moin Hussain Moti, and Dimitris Chatzopoulos, “SplitEasy: A Practical Approach for Training ML models on Mobile Devices in a split second”, arXiv:2011.04232, 2020
- R_7 Vlasios Koutsos, Dimitrios Papadopoulos, Dimitris Chatzopoulos, Sasu Tarkoma, and Pan Hui, “Agora: A Privacy-Aware Data Marketplace”, Cryptology ePrint Archive, Report 2020/865
- R_6 Kirill A. Shatilov, Dimitris Chatzopoulos, Lik-Hang Lee, Pan Hui, “Emerging Natural User Interfaces in Mobile Computing: A Bottoms-Up Survey”, arXiv:1911.04794, 2019.
- R_5 Dimitris Chatzopoulos, Sujit Gujar, Boi Faltings, Pan Hui, “Privacy Preserving and Cost Optimal Mobile Crowdsensing using Smart Contracts on Blockchain”, arXiv:1808.04056, 2018.
- R_4 Hasan M A Islam, Dimitris Chatzopoulos, Dmitriy Lagutin, Pan Hui, Antti Ylä-Jääski, “Boosting the Performance of Content Centric Networking using Delay Tolerant Networking Mechanisms”, arXiv:1808.04056, 2018.
- R_3 Dimitris Chatzopoulos, Sujit Gujar, Boi Faltings, and Pan Hui, “LocalCoin: An Ad-hoc Payment Scheme for Areas with High Connectivity”, arXiv:1708.08086, 2017.
- R_2 Kathleen Sucipto, Dimitris Chatzopoulos, Sokol Kosta, and Pan Hui, “Keep Your Nice Friends Close, but Your Rich Friends Closer – Computation Offloading Using NFC”, arXiv:1612.03000, 2016.
- R_1 Zhanpeng Huang, Pan Hui, Christoph Peylo and Dimitris Chatzopoulos, “Mobile Augmented Reality Survey: A Bottom-up Approach”, arXiv:1309.4413, 2013.

■ Publications with co-supervised students

- International Supervision of Kamalesh Palanisamy from NIT Tricky, India, and Vivek Khimani from Drexel
Collaboration University, USA, (W_7) during a remote internship to HKUST
- EPFL Co-supervision of Pierre Schutz and Stanislas Gal (J_{11}) on their research visit in HKUST.
- IIIT Hyderabad Co-supervision of Moin Hussain Moti (C_9 and W_6) on his research visit in HKUST.
- HKUST Co-supervision of Yao-Chieh Hu, Ting-Ting Lee (W_3 and J_6) on their research project.
- IIT-CNR Co-supervision of Mattia Giovanni Campana (W_4) on his research visit in HKUST.
- Sharif Univ. Co-supervision of Mahdieh Ahmadi (C_3 , J_1 , and J_4) on her internship in HKUST.
- HKUST Co-supervision of Kathleen Sucipto (C_2 and C_6) on her final year thesis.

Scholarships & Awards

- 9/2017 Participation in the 5th Heidelberg Laureate Forum, Heidelberg, Germany.
- 4/2017 Student Travel Grant from IEEE ComSoc for IEEE Infocom.
- 6-12/2016 Overseas Research Award by the Office of Postgraduate Studies of HKUST.
- 10/2016 Research Travel Grant from HKUST for ACM Multimedia 2016.
- 5/2016 Research Travel Grant from HKUST for IEEE ICC 2016 .
- 9/2013 - 8/2017 HKUST postgraduate studentship.
- 9/2010 - 6/2011 Cisco Certified Network Associate (CCNA).

Internships

- Cambridge **Computer Laboratory**, 6-12/2016. Hosts: Prof. Jon Crowcroft and Dr. Richard Mortier.
- EPFL **Artificial Intelligence Laboratory**, 6-8/2014. Host: Prof. Boi Faltings.
- CERTH **Centre for Research and Technology, Greece**, 6-10/2010. Host: Prof. Leandros Tassioulas.

Academic Visits

- Univ. of **Computer Science department**, 8/11 - 15/12/2018. Hosts: Prof. S. Tarkoma and Prof.
Helsinki Pan Hui.
- IIIT Hyderabad **Machine Learning Laboratory**, 20/2 - 19/3/2018. Host: Prof. Sujit Gujar.
- Univ. of **Computer Science department**, 1/9 - 31/10/2017 Host: Prof. S. Tarkoma and Prof. Pan
Helsinki Hui.
- Tsinghua Univ. **Future Internet Laboratory**, 11/4 - 9/5/2016. Host: Prof. Yong Li.
- Microsoft **Microsoft Research Asia Lab, Beijing**, 21/12/2015
- T-labs Academic visit as part of IKYDA2012 project, 1 - 15/7 and 5 - 15/12 2012, Host: G. Smaragdakis.

Invited Talks

- HKUST "Incentive and Privacy Mechanisms for Blockchain-assisted Mobile Ecosystems", 27/06/2019,
Host: Prof. D.Y. Yeung.
- Univ. of "Cryptocurrencies and Distributed Ledgers", 11/12/2018, Host: Dr. Huber Flores.
Helsinki
- IIIT Hyderabad "LocalCoin", 7/3/2018, Host: Dr. Sujit Gujar.
- CAA "Introduction to Cryptocurrencies and Blockchain", China Academy of Art, Hangzhou, 5/4/2017,
Host: Dr. Yuk Hui.
- AUEB "Research problems in Mobile augmented reality, and in computation offloading between mobile
devices", 20/12/2016, Host: Prof. Iordanis Koutsopoulos.
- Univ. of "A Cryptocurrency for a Device-to-Device Ecosystem", 29/7/2016, Helsinki-Mobile Services and
Helsinki Edge Computing Workshop 2016.
- Tsinghua Univ. "Incentives and reputation management on D2D ecosystems", 6/5/2016, Host: Prof. Yong Li.
- Tsinghua Univ. "Computation offloading in D2D ecosystems", 24/12/2015, Host: Prof. Yong Li.
- Tongji Univ. "A Framework for Trusted Mobile Ambient Computing", 16/1/2015, Host: prof. Weixiong Rao.
- HKUST "A Hidden Market Approach for Trusted Mobile Ambient Computing", 2/12/2014, HKUST-EPFL
Workshop on Data Science

Professional Service

Reviewer in Journals

- IEEE Journal on Selected Areas in Communications, Transactions on Mobile Computing, Transactions on Information Forensics & Security, Transactions on Network Science and Engineering, Transactions on Network and Service Management, Transactions on Services Computing, Transactions on Computational Social Systems, Communications Magazine, Communications Letters, ACCESS.
- ACM Transactions on Intelligent Systems and Technology, SIGCOMM Computer Communication Review, Proceedings on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).
- Elsevier Journal of Parallel and Distributed Computing
- Springer International Journal of Data Science and Analytics
- Wiley Transactions on Emerging Telecommunications Technologies.
- Member of Technical Program Committees
- Conferences IFIP Networking (2021), International Joint Conference on Artificial Intelligence (2019-2021), IEEE ICC Social Networking Track (2016 - 2021), IEEE Globecom Social Networks track (2016 - 2021), IEEE ICACCI (2016 - 2019), IEEE CCNC 2019, IEEE Smart City 2016 and 2015.
- Workshops NDSS-DISS 2019, IEEE PerCom-Percrowd 2019 and 2018, IEEE IPDPS-BDDMC 2019, IEEE ICDE-DASC 2019.
- Posters ACM Mobisys 2018.
- Publicity, Web and Student Travel Grant Chair
- Publicity EdgeSys 2019, HotPOST 2018, IEEE ICC 2016 (Social Networking Track), SIMPLEX 2016, ExtremeCom 2015.
- Web ExtremeCom 2015, WONS 2014.
- Travel Grant ACM Mobicom 2020.
- PhD Student supervision committee
- Oulu Univ. Member of the follow-up group of Jacky Cao.

■ Certificates

- Teaching *Teaching Assistant Training Program*, Centre of enhanced learning and teaching, HKUST.
- Programming Key-CERT IT Specialist Web-Developer.
- Entrepreneurship *Introduction to Entrepreneurship*, Univ. of Thessaly Faculty of Innovation and Entrepreneurship.
- Entrepreneurship *Product and Service Design*, Univ. of Thessaly Faculty of Innovation and Entrepreneurship.

■ Computer Skills

- Programming Java, C, C++, Python, Kotlin, Bash, HTML, TCL, AWK, Solidity
- Tools Git, Latex, Matlab, Android Studio, PyCharm, Gnuplot, Dia, OmniGraffle

■ Teaching Assistance Experience

- HKUST, Department of Computer Science & Engineering
 - Introduction to Computer Science, Spring 2017
 - Computer Communication Networks, Fall 2014 and 2015
- University of Thessaly, Department of Electrical & Computer Engineering
 - Java programming Language, Spring 2011
 - C programming Language, Fall 2010
 - Differential Equations, Spring 2007-2010
 - Mathematics I, Fall 2006
- Co-designed final year projects
 - NFC-based D2D Computation Offloading
 - Implementing smart contracts on DAG-based cryptocurrencies
 - NFC-based Computation Offloading to Cloudlets
 - Deployment of Smart Contacts on Blockchains for Internet of Things Applications
- Co-designed UROP projects
 - Algorithms and Games in Android Devices
 - Blockchain Applications
 - Can We Build a Cloud from the Crowd? Cloud Computing on Smartphones
 - Dissecting WhatsApp Messages and Calls