

Interests	Operating Systems, Computer Security, Mobile Computing, Virtualization, Embedded Systems	
Education	Columbia University , New York, NY <i>Doctor of Philosophy (Ph.D.)</i> in Computer Science (Systems) <i>Dissertation/Thesis:</i> Multi-Mobile Computing <i>Advisor:</i> Professor Jason Nieh	Aug 2012 – May 2020
	Columbia University , New York, NY <i>Master of Philosophy (M.Phil.)</i> in Computer Science <i>Master of Science (M.S.)</i> in Computer Science	Aug 2012 – May 2015 Aug 2012 – Oct 2013
	Yale University , New Haven, CT <i>Master of Science (M.S.)</i> in Computer Science	Aug 2011 – May 2012
	University of Michigan , Ann Arbor, MI <i>Bachelor of Science (B.S.E.)</i> in Computer Engineering <i>Bachelor of Science (B.S.E.)</i> in Computer Science Engineering <i>Minors:</i> Mathematics, Physics	Aug 2004 – Apr 2008
Professional Experience	Logics (Technology Consulting) <i>Founder & Managing Partner</i> <ul style="list-style-type: none">• Providing solutions (computer security, mobile computing, and architecture) for companies• Improving current state of technology for companies	Kuwait 2021 – Present
	Kuwait University <i>Assistant Professor in Computer Science</i> <ul style="list-style-type: none">• Working on Systems research• Teaching Programming in C and Unix (CS 220) and Systems Programming (CS 223)	Kuwait 2020 – Present
	Columbia University <i>Graduate Researcher</i> <ul style="list-style-type: none">• Participated in building Cider/Cycada (Android kernel support for running native iOS apps)• Registered two patents under Cider/Cycada as joint inventor• Built a mobile device sharing framework• Integrated multiple mobile systems to provide a more capable one• Provided kernel code as a Teaching Assistant for W4118 Operating Systems (+150 students)	New York, NY 2012 – 2020
	VMware Inc. <i>Software Engineer II</i> <ul style="list-style-type: none">• Worked on VMware Operating System (ESX) kernel and device driver development• Assigned as Networking developer lead for ESX 4.0 Update 3 release• Analyzed core dumps and code to root cause and fix various kernel and device driver bugs	Palo Alto, CA Sept 2008 – Apr 2011
Selected Publications	N. AlDuaij, J. Nieh. “Tap: An App Framework for Dynamically Composable Mobile Systems.” <i>Proceedings of the 19th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys 2021)</i> , Virtual. June 2021 N. AlDuaij, A. Van’t Hof, J. Nieh. “Heterogeneous Multi-Mobile Computing.” <i>Proceedings of the 17th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys 2019)</i> , Seoul, South Korea. June 2019 J. Andrus, A. Van’t Hof, N. AlDuaij, C. Dall, N. Viennot, J. Nieh. “Cider: Native Execution of iOS Apps on Android.” <i>Proceedings of the 19th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS 2014)</i> , Salt Lake City, UT, USA. March 2014	