

Education

Aug. 2016 – now Ph.D., Computer Science, *University of California, Berkeley*
Graduate Student, Department of Electrical Engineering and Computer Sciences
May 2016 M.Sc., Computer Science, *University of Rochester*
May 2015 B.Sc., Electrical and Computer Engineering, *University of Rochester*
Cum laude, High Distinction. Capstone: *Ad-hoc wireless network monitoring*

Projects

ElectroTutor Test-Driven Physical Computing Tutorials, *to present at UIST '18*
WiFröst Visualizing Network Behavior for IoT/Embedded Devices
CodePilot Collaborative Software Development for Novices
Bifröst Debugging Embedded Systems across Hardware and Software

Experience

2016 – now Graduate Student Researcher, *University of California, Berkeley*
Berkeley Institute of Design, advised by Professor Björn Hartmann
2018 Research Intern, *Autodesk*
Advised by Tovi Grossman and Benjamin Lafreniere in the User Interface Group.
2014 – 16 ROC HCI Research Assistant, *University of Rochester*
Rochester Human Computer Interaction Group, advised by Professor Philip Guo
2014 Software Engineering Intern, *Teradyne*
Developed toolchain to perform automated semiconductor test program upgrades
2013 Wireless Communications and Networking Group Researcher, *University of Rochester*
NSF REU internship: designed and built a wireless control system for RFID testing

Teaching

Fall 2017 Head GSI for CSC 160, *Introduction to Human Computer Interaction*
Spring 2013, 14, 15 Teaching Assistant for ECE 112, *Introduction to Logic Design*
2014 – 15 CSUG Tutor in *The Science of Programming* and *Computer Organization*
Fall 2014 Teaching Assistant for ECE 230, *Electromagnetic Waves*

Honors

2016 NSF Graduate Student Fellowship Program *Honorable Mention*
2015 Inducted into the Phi Beta Kappa Honor Society
2015 Dean's Award for Engineering and Applied Sciences Research
2014 Elected as UR's IEEE Student Branch President
2013 Inducted into the Tau Beta Pi Engineering Honor Society

Publications

- [1] **Jeremy Warner**, Ben Lafreniere, George Fitzmaurice, and Tovi Grossman. Electrotutor: Test-driven physical computing tutorials. In *Proceedings of the 2018 ACM Symposium on User Interface Software and Technology*. ACM, 2018.
- [2] Will McGrath, **Jeremy Warner**, Mitchell Karchemsky, Andrew Head, Daniel Drew, and Bjoern Hartmann. Wifröst: Bridging the information gap for debugging of networked embedded systems. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. ACM, 2018.
- [3] Rundong Tian, Sarah Stermann, Ethan Chiou, **Jeremy Warner**, and Eric Paulos. Matchsticks: Woodworking through improvisational digital fabrication. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, page 149. ACM, 2018.
- [4] Will McGrath, Daniel Drew, **Jeremy Warner**, Majeed Kazemitabaar, Mitchell Karchemsky, David Mellis, and Björn Hartmann. Bifröst: Visualizing and checking behavior of embedded systems across hardware and software. In *Proceedings of the 30th Annual ACM Symposium on User Interface Software and Technology*, pages 299–310. ACM, 2017.
- [5] **Jeremy Warner** and Philip J Guo. Hack.edu: Examining how college hackathons are perceived by student attendees and non-attendees. In *Proceedings of the 2017 ACM Conference on International Computing Education Research*, pages 254–262. ACM, 2017.
- [6] **Jeremy Warner** and Philip J Guo. Codepilot: Scaffolding end-to-end collaborative software development for novice programmers. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*, pages 1136–1141. ACM, 2017.
- [7] **Jeremy Warner**. *CodePilot: Real Time Collaborative Programming with Asynchronous Version Control Support*. PhD thesis, University of Rochester, 2016.
- [8] **Jeremy Warner**, John Doorenbos, Bradley N Miller, and Philip J Guo. How high school, college, and online students differentially engage with an interactive digital textbook. In *8th International Conference on Educational Data Mining*, 2015.
- [9] Joyce Zhu, **Jeremy Warner**, Mitchell Gordon, Jeffery White, Renan Zanelatto, and Philip J Guo. Toward a domain-specific visual discussion forum for learning computer programming: An empirical study of a popular mooc forum. In *Visual Languages and Human-Centric Computing (VL/HCC), 2015 IEEE Symposium on*, pages 101–109. IEEE, 2015.
- [10] Li Chen, **Jeremy Warner**, Wendi Heinzelman, and Ilker Demirkol. Mh-reach-mote: Supporting multi-hop passive radio wake-up for wireless sensor networks. In *Communications (ICC), 2015 IEEE International Conference on*, pages 6512–6518. IEEE, 2015.
- [11] Li Chen, **Jeremy Warner**, Pak Lam Yung, Dawei Zhou, Wendi Heinzelman, Ilker Demirkol, Ufuk Muncuk, Kaushik Chowdhury, and Stefano Basagni. Reach 2-mote: A range-extending passive wake-up wireless sensor node. *ACM Transactions on Sensor Networks (TOSN)*, 11(4):64, 2015.