

Evan Shapiro

Carnegie Mellon University

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Computer Science Major, Robotics Minor

3.74 gpa, 2011-2014

CS Master's

3.80 gpa, 2014-2015

Languages

c | c++ | HTML+CSS | go | JavaScript / Typescript | Java | MATLAB | python | sml |

Skills

embedded hardware | git | machine learning | distributed systems | OpenGL | ROS | unix | webapps |

Work

CMU Personal Robotics Lab researcher 2013-2015

designing novel task planner to solve robotics manipulation problems

Mozilla summer intern, fall contractor summer 2013, Fall 2013

- built new music app backend for firefox os

- advised on improving perceived scrolling performance for firefox OS apps

Carnegie Mellon University TA 2012-2014

Helped to build and teach CS mobile webapps course 15-237

Carnegie Mellon University intern 2010

Investigated possible components for new introductory CS curriculum

Projects

Hierarchical Manipulation Task Planning Framework 2013-2015

- Framework to specify, plan and execute manipulation tasks
- Integrated with the Personal Robotics Lab robots HERB and ADA

Effortless I/O 2012

- extends computers and mobile devices into the physical world by allowing embedded microcontroller control from a javascript library
- led a team of six other people
- winner of four Carnegie Mellon Meeting of the Minds awards (most for one team in recent history)
 - Boeing Blue Skies: Game Changer
 - IBM Smarter Planet
 - Johnson & Johnson Undergraduate Research Award (2nd)
 - Toyota Environmental Research

Mapyst 2011-2012

- indoor navigation application, adopted by CMU as their Android campus navigation app
- worked on a team with three other students
- winner of three Carnegie Mellon Meeting of the Minds awards
 - IBM Smarter Planet
 - Johnson & Johnson Undergraduate Research Award (3rd)
 - Yahoo! Competition
- see official cmu article
 - <http://www.cmu.edu/homepage/computing/2012/spring/navigating-inspiration.shtml>

Other

Eagle Scout 2010

3rd place at CMU Tartanhacks Hackathon 2012

Norton Writer's Prize Nomination for CMU Entrepreneurship Essay 2012

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last updated July 17th, 2015