

Bio

Hi, I'm Kirby, an aspiring entrepreneur who loves building software. I founded BoilerMake, Purdue's first large-scale hackathon. I taught CS190 - Tools, a required course for all CS Freshmen at Purdue.

Education

Purdue University May 16
B.S., Computer Science. 3.7 GPA West Lafayette, IN

Experience

Pebble Palo Alto, CA
Developer Evangelist Intern Summer 15

Gave technical workshops across the country on using the Pebble SDK. Served as project owner on a new developer API that involved the coordination of firmware, iOS, and Android engineering teams.

Purdue University West Lafayette, IN
CS190 - Tools - Undergraduate Lecturer Fall 14
CS190 - Tools - Head Teaching Assistant Fall 13

Led a team of 16 TAs who taught 20 lab sections. Personally taught 5 lab sections each week. Created lectures, labs, and quizzes ranging from basic terminal commands to Vim for 340 CS Freshmen.

Qualcomm San Diego, CA
Software Engineering Intern Summer 14

Updated C# testbed of massive codebase to support remote control of robots for testing purposes. Designed the interface for controlling robots that performed throughput tests on phones.

Projects

Clock Spring 14
Pebble Application
Created a Pebble to Pebble communication application in the form of exam cheating software. Wrote a user interface in C that leveraged the Pebble's accelerometer to minimize the need for button pressing and a JavaScript client that utilized Firebase for all of the realtime messaging between Pebbles.

FilmSearch Spring 14
iOS Jailbreak Tweak
Developed an iOS jailbreak tweak that added IMDB movie and actor search to Spotlight. Attracted over 10,000 active users on Cydia, the jailbreak app store.

Skills

JavaScript (React, Node.js), Ruby (Rails), HTML5, CSS3, C, Java, Git, Adobe Creative Suite, and UNIX.

Interactive Intelligence Indianapolis, IN
Application Developer Intern Summer 13

Shipped an internal defect tracker that increased transparency between product managers and developers. Developed the web application in Ruby on Rails utilizing jQuery to produce a dynamic interface.

Leadership

CS Undergrad Student Board
President Fall 14 - Present
Member Spring 13 - Fall 14

Coordinating a team of 18 CS students who run several large initiatives within the CS department. We staff a CS Tutoring Room that serves over 200 students, teach the first entirely student-run course at Purdue, CS190 - Tools, and run Purdue's premier intercollegiate hackathon, BoilerMake.

BoilerMake
Associate Director Spring 14 - Fall 14
Founder/Director Spring 13 - Spring 14

Organized Purdue's Hackathon with over 500 participants and over \$200,000 of sponsorship from 20 different companies. Managed 13 students who run components of the event from sponsorship to event UX.

Hackathon Teams Winter 14
Web Application
Shipped a Ruby on Rails application for registering, managing, and communicating with hackers for hackathons. Created discrete interfaces for hackers, representatives, sponsors, and administrators with CanCan.

Bendr Fall 13
Web Application
Wrote an automatic music mashup application that enhanced music playlists. Built client side software in JavaScript that removed vocals from a mp3 stream in realtime.