

Darwin Ding

Motivated programmer & engineer looking for a full time position where I can change the world with high quality code with global impact.

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<https://github.com/dubwub>

EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy NY

September 2013 - May 2017

Computer Systems & Computer Science Dual Major (**GPA: 3.70**)

Clubs & Extra: Physics 2 TA, Orchestra timpanist & percussionist, Weightlifting Club, Chess Club, Smash Club President & Event Coordinator, UPE Membership and AI Competition Chair

EXPERIENCE

AI Competition — Full Stack Developer (Sole Contributor)

Fall Semester 2016 (Ongoing)

Developing a framework to allow RPI's CS honor society to run a sponsored AI competition with a prize pool of thousands of dollars. The server is built on the MEAN.JS stack and interfaces with student-written AIs via REST API.

Epic Systems, Madison, WI — Software Intern

June 2016 - August 2016

Developed a natural language processing pipeline in conjunction with a web-server using PySpark and Flask that enables hospitals to automate filling out workflows from doctor notes in real time.

Tournament Manager (Class Project) — Backend Programmer

Spring Semester 2016 (Software Design & Documentation)

Developed a web app with a Bootstrap frontend and NodeJS/MongoDB backend to handle all aspects of running a tournament. Included handling registration, payouts, multiple events, bracket generating and viewing, and match submissions. Development followed the Agile Methodology (Scrum).

GE Oil & Gas, Billerica, MA — Software Intern

June 2015 - August 2015

Developed an Android app in Java to wirelessly connect to a flowmeter to handle configuration, real-time data collection and graphing. Continued working on this project remotely as a contractor during the following fall semester.

June 2014 - August 2014

Wrote a data visualization application that imports data to build interactive graphs with post-processing capabilities like FFT. It was built on NodeJS with D3.JS as the frontend and C++ modules as the back-end.

SKILLS

Experience with full stack development in **Agile** and **Scrum**.

Experience developing Android apps, games, and websites

Proficient working with benchtop equipment and embedded control

Languages: Expert in **C/C++ & Java** and proficient with **HTML/CSS/Javascript** (D3.js/Node.js), **Bash** and **Python**

OS: Windows/Linux

AWARDS & OTHER

Dean's List from 2013 to present

Rensselaer Leadership Award, Rensselaer Recognition Award

Won \$100 in Introduction to Engineering Design for best class project

USCF peak Chess rating of **2023**, with thousands of dollars in winnings

Pianist for 11 years