

Wesley Wei

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EXPERIENCE

Tufts University, Medford, MA

September 2015 - May 2018

Teaching Assistant - Department of Computer Science

- Developed strong communication skills while providing guidance to students regarding program architecture and core programming concepts.

NSRRC, Hsinchu, Taiwan

June 2016 - August 2016

Temporary Assistant

- Added the capability to operate on a subset of available data, greatly speeding up processing of regions of interest within larger data sets.
- Resolved technical debt in an existing image preprocessing PyQt application with the goal of easing future development.

NTHU, Hsinchu, Taiwan

June 2015 - November 2015

Temporary Assistant

- Automated analysis of data for an optical tweezers lab using MATLAB, reducing processing times from 20 minutes to a few seconds per data set.

TECHNICAL STRENGTHS

Programming Languages

C, C++, Python, Bash/Shell, MATLAB,
HTML/CSS/Javascript, Java

Technologies & Tools

GNU/Linux, Git, Qt, Django, Android

EDUCATION

Tufts University, Medford, MA

Bachelor of Science, Computer Science

Bachelor of Science, Mathematics

PROJECTS

Questionable Battleship

Summer 2017 - Present

- Led the development of a Battleship game and proposed future extensions to enable on-the-fly rule tweaking.
- Designed and developed the backend server application for the game and the Websocket protocol.

Polyhack at Tufts

October 2016

Team Snapsassin (Second Place)

- Worked with a team to develop an Android game using a face-recognition API to identify players of the game
- Implemented requests to the RESTful facial recognition API, and the interpretation of the results.

ID Hack at Tufts

March 2016

Team HandSPASMS (Qualcomm Award)

- Worked with a team to develop an Android application to enable doctors to easily remind patients of upcoming appointments via SMS
- Diagnosed HTTP request handling errors in the application