

# Wesley Wei

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## EXPERIENCE

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### Tufts University, Medford, MA

September 2015 - Present

*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

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### Programming Languages

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

### Technologies & Tools

GNU/Linux, Git, Qt, Django, Android

## EDUCATION

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### Tufts University, Medford, MA

Expected May 2018

Bachelor of Science, Computer Science

## PROJECTS

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### Cap-Tal

Summer 2017 - Present

- Built a simple website for a small, loose development team under the name Cap-Tal.

### Questionable Battleship

Summer 2017 - Present

*Cap-Tal*

- 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