

# Wesley Wei

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## EXPERIENCE

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### Tufts University, Medford, MA

September 2015 - Present

*Teaching Assistant - Department of Computer Science*

*Tutored students in computer labs*

- 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*

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

### NTHU, Hsinchu, Taiwan

June 2015 - November 2015

*Temporary Assistant*

- Used MATLAB to automate analysis of data for an optical tweezers lab, reducing data 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 & GitHub, Vim, Qt, Android

## EDUCATION

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### Tufts University, Medford, MA

Expected May 2018

Bachelor of Science, Computer Science

Bachelor of Science, Mathematics (Expected)

GPA 3.29/4.0

## COMPETITIONS

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### 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

## OTHER ACTIVITIES

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### Proofreading Academic Manuscripts

2010 - Present

Proofread various articles for researchers from NSRRC and NTHU