

# Samuel Levin

SOFTWARE ENGINEER

San Francisco, California

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## Skills

**Most Proficient:** Python (2&3)

**Proficient:** Java, JavaScript (Nodejs&Expressjs&EJS), LATEX, HTML/CSS (Bootstrap, Foundation)

**Least Proficient:** Reactjs, Lua, PSQL/MySQL, PHP, Android SDK, XML, Matlab, C/C++

## Work Experience

### Microsoft

Dublin, Ireland

INTERN SOFTWARE ENGINEER

Summer 2015

- Shadowed dev teams in a group working on a CMS (content management service) for MSN news
- Main technologies were TypeScript/Angular/AJAX
- Single Page Angular-js site, that used a c# middle tier to deal with certs and calls to the Backend SQL database
- Worked on a local build of the site and have an accepted code merge onto the production branch of their TFS version control server

## Projects

### Sparse Decomposition Machine Learning Research, [github.com/salevin/atari-psd](https://github.com/salevin/atari-psd)

Goucher

STUDENT RESEARCHER

2015 - PRESENT

- Applied an unsupervised learning model trained to do machine vision to a video-game-playing neural network.
- Written in lua using the Torch machine learning framework. Used cutorch to run models on a GTX Titan graphics card.
- An adaptation of Google DeepMind's Atari-Q-Learner.
- Separated the original convolutional neural net into an unsupervised network and a fully connected network.

### Climbing Club Web App, [goucherclimbs.com](http://goucherclimbs.com)

Goucher

WEB DEV & CLUB PRESIDENT

2016 - PRESENT

- Had to schedule times to go climbing with many members who have varying schedules.
- With student credit, I used a Digital Ocean virtualized server to create a web app for scheduling.
- Created with nodejs, expressjs, ejs and bootstrap. It allows members to input their availability.

## Education

### Goucher College

Baltimore, Maryland

B.A. COMPUTER SCIENCE MAJOR, MATHEMATICS MINOR

Aug. 2013 - May, 2017

- Cumulative GPA: 3.59
- 5 Semesters on Deans List
- Awarded Alumni Merit Scholarship

## Honors & Awards

### COLLEGE

**Founding Chapter Member**, Upsilon Pi Epsilon Honors Society

**Mary Katherine Ekin Prize**, Computer Science Department Award for Theoretical & Applied Work

## Summary

New graduate with a Computer Science major and a Math minor. A dual citizen of the United States and Ireland. Worked in Ireland as an intern on a dev ops team at Microsoft Dublin. I run linux on all of my computers and have a couple-hundred-line vim config file. I love solving problems and enjoy challenging puzzles.