# Matthew Salim

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matthewsalim.com | github.com/msalim

## Education

**Carnegie Mellon University**
B.S. Computer Science, May 2019
GPA: 3.90

B.S. Psychology, May 2018
with University Honors

## Skills

**Programming Languages**
Python, C, x86 Assembly
C#, PowerShell
JavaScript, HTML, CSS

**Platforms and Frameworks**
Web: React, Redux, Less
Windows: UWP, HoloLens
Tools: git, Bash, GDB, Simics
OS: UNIX-based, Windows, Inferno

## Coursework

| | |
|---|---|
| 15-410 | Operating Systems |
| 15-412 | OS Practicum |
| 15-210 | Parallel Algorithms |
| 85-358 | Prosocial Behavior |
| 79-318 | Sustained Social Change |
| 15-411 | Compiler Design* |

*Planned for Fall 2018

## Social Work

**You're Awesome Campaign**
youreawesome.org

- Post, chalk, draw, picket-sign, and fence-paint kindness
- Start movement in encouraging others to practice gratitude

**End-of-Semester Food Drives**

- Organized 4 first-year drives collecting 1,500+ lbs. of food

## Work Experience

**Software Engineer Intern**               May 2018 – Aug 2018
**Microsoft | Live: adfshelp.microsoft.com/diagnosticsAnalyzer**

Developed and released an end-to-end solution to resolve AD FS issues, decreasing AD FS support costs by 10% as well as enhancing support engineers' experience and job productivity

- Developed and delivered feature from scratch to production with thorough security measures and unit testing in C#
- Created and managed product development timeline; communicated timeline changes as they occur

**Software Engineer Intern**               May 2017 – Aug 2017
**Applied Predictive Technologies**

Created full-stack solution to setup and modify web dashboards, improving customer workflow and experience

- Developed a highly-customizable webpage in JavaScript with React, Redux, and Immutable.js frameworks
- Created data saving, modification, and deletion infrastructure

**Volunteer Engineer**               Feb 2016 – Present
**RoboTutor, LLC | robotutor.org**
*A Global Learning XPRIZE Finalist*

Created data source generation pipelines, supporting thousands of children in learning basic literacy and numeracy

- Built one-click Python scripts to convert various specifications and sources into RoboTutor's standardized JSON format
- Delivered 2-day product turnaround time to allow testing and improvements prior to submission deadline

**15-213 Teaching Assistant**               May 2016 – Dec 2017
**CMU Computer Science Department**

Assisted 1,500+ students in total for 15-213: Computer Systems

## Tech Projects

**CMUEval**               Feb 2017 – Present
**TartanHacks 2017**
*Won 'Best Data Visualization' and 'Most Innovative' Awards*

- Presented useful statistics from raw course evaluation data, enabling students to effectively plan their semester schedule
- Working with the University Registrar to publish CMUEval for general availability to all CMU students and faculty members