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# Michael Earl

## Software Engineer

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(254) 205-2919

### EXPERIENCE

#### Amazon.com, Seattle WA

*Software Engineering Intern*

MAY 2018 - AUGUST 2018

- Developed features for an internal finance tool using React+Redux for frontend and Java+JOOQ for backend.

#### Viasat Inc., Bryan TX

*Software Developer*

MAY 2017 - DECEMBER 2017

- Developed features and fixed bugs for a remote wireless device configuration tool.
- Used AngularJS and Python.

#### Epoch Labs, Austin TX

*Software Engineering Intern*

MAY 2016 - AUGUST 2016

- Developed features, fixed bugs, and wrote unit tests for a distributed NoSQL KV-store in C++11.
- Optimized and added features to the in-house distributed testing infrastructure.

### EDUCATION

#### Texas A&M University, College Station TX

*B.S. in Computer Science*

AUGUST 2015 - MAY 2019

3.29 GPA

#### Hill College, Hillsboro TX

*Dual-Credit Enrollment*

AUGUST 2013 - MAY 2015

4.00 GPA

#### Bynum High School, Bynum TX

AUGUST 2011 - MAY 2015

Class Valedictorian / Highest Ranking Graduate

### SUMMARY

Passionate engineer looking to accomplish useful and challenging work. Especially fond of algorithmic problem solving, optimization, and data science.

### SKILLS

- Strong background in algorithms, particularly graph algorithms.
- Excellent and passionate problem solver.
- Familiar with PageRank/HITS, classification, and recommender systems.
- Familiar with RSA, ElGamal, and the mathematics of cryptography in general.

### PROFICIENT WITH

C++, Java, Python, JS, React, Redux, AngularJS, MySQL, Git, Docker, LXD, Linux, Bash, and Windows.

### INTERESTS

Formal verification, natural language processing, machine learning, data science, and distributed computing.

### ACTIVITIES

**ACM-ICPC** - 3rd Place Team at 2017 South Central USA Regional Contest, as well as extensive ongoing training.

**Hackathons** (TAMUHack 2015/2016, CodeRED 2015)

**UIL Computer Science** - 1st Place at 1A UIL State Competition

### PROJECTS

**Kattis** - Over 350 problems and counting solved on Kattis, my competitive programming site of choice.

**Fantasy2Reality** - A movie box-office gross predictor system built with Fantasy Movie League in mind.

**Game of Life** - A Conway's Game of Life simulator in C++.

**Lapis** - On-demand Minecraft server hosting using Azure.

**Warpcraft** - A Minecraft teleportation plugin built using Spigot.