

# Geoff Langenderfer

SOFTWARE ENGINEER

Seattle, Washington

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## Summary

In 2017, I began my journey to self-teach myself coding. In 2021, it paid off when I got a job at Amazon. While there, I saved S3 Glacier millions of dollars by solving difficult problems. I'm looking forward to a new challenge where I can make an impact.

## Experience

### Amazon

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER

July 2021 - Present

- saved \$1+ million/year by leading a project migrating a distributed service to new Graviton ARM CPUs
- saved \$280,000/year and identified \$2+ million more by migrating an AWS EMR cluster from Spark 2 -> 3
- filled org security gaps and unblocked org wide software updates by upgrading 20+ packages from Jackson 1 -> 2
- removed 1 hour manual checklist to build a package by migrating from Ant -> Gradle
- **Languages:** Java, Scala, Bash, Python
- **Cloud:** AWS S3, AWS EMR, AWS DynamoDB, AWS Lambda, AWS CDK, AWS SDK

### University of Texas

Austin, Texas

CODING BOOTCAMP TA

Jan. 2020 - July 2021

- Simplified complex technical topics for a beginner audience with [video](#) and [written content](#)
- Created a [PostgreSQL terminal app](#) that automated portions of student homework grading reducing time spent by near 70%
- Motivated students through a vulnerable time learning a new skill
- **Languages:** Python, Javascript, VBA

## Education

### University of Michigan

Ann Arbor

BACHELOR OF SCIENCE MATHEMATICS

May 2013

- Courses: Numerical Analysis, Game Theory, Actuarial Life Contingencies, Financial Engineering

## Projects

### Open Source Software

May. 2017 - Present

- I fixed a bug that [blocked m1 macs from installing a python graphing library](#) widely used in science
- I fixed a bug with using objects in javascript. And, I [explained it in a way a 5 year old could understand](#)
- A new Ubuntu release bricked the way a popular open source tool loaded, making it unusable. I was the [first to identify and fix this issue](#)

### gigMax

Jan. 2020 - Feb. 2020

- Extracted Uber Driver Earnings data via web scraping with NodeJS and Puppeteer. I used this data to build an earnings dashboard
- Followed TDD program design with full Typescript test suite