

Geoff Langenderfer

SOFTWARE ENGINEER · MATHEMATICS MAJOR · UNIVERSITY OF MICHIGAN

Austin, Texas

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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 \$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
- saved \$1+ million/year by leading a project migrating a distributed service to new Graviton ARM CPUs

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

Education

University of Michigan

Ann Arbor

BACHELOR OF SCIENCE MATHEMATICS

May 2013

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

Skills

Languages: Java, Python, Bash

Web Technologies: Express, Puppeteer

Databases: PostgreSQL, MongoDB, DynamoDB

Cloud/Tools: S3 Buckets, S3 Glacier Vaults, AWS SQS Queues, AWS EMR, AWS CDK

APIs: Twitter, Eventbrite, Slack, Discord, Upwork, Airbnb

Projects

[gigMax](#)

January 2020 - February 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

[caplearn](#)

October 2018 - August 2019

- I sought to build a better zero to conversational spanish app. It used spoken spanish and english/spanish captions to speed up the learning loop and increase deliberate practice
- Pivoted multiple times after user feedback: CLI to webapp, fixed to progressive difficulty content
- learned importance of total addressable market and user acquisition to business success

[Open Source Software](#)

May 2017 - Present

- I've debugged errors, contributed pull requests, and filed issues to open source projects in NodeJS, C#.NET Core, and Bash