Geoff **Langenderfer**

Software Engineer · Mathematics Major · University of Michigan

Austin, Texas

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Summary

In 2017, I read about AI beating professional poker pros. I felt a stab of fear. My work as a trader was similar. I thought: am I next? I channeled that fear into teaching myself to code. I moved to Medellin, Colombia and got busy grinding youtube tutorials. This led to paid freelance work through Upwork and a bootcamp TA position at the University of Texas. I learned that fear is a signal for change. I harnessed it to propel myself forward. And, I learned I'm more powerful than I thought.

Skills

Languages:	Python, Bash, Kotlin, NodeJS, Typescript, Elm, HTML
Web Technologies:	Ktor, Express, Puppeteer
Databases:	PostgreSQL, MongoDB
Cloud/Tools:	Vim, Pip, Yarn, NPM, Git, Manjaro Linux
APIs:	Twitter, Eventbrite, Slack, Discord, Upwork, Airbnb

Experience

Self-Employed   *Remote*

Software Development Engineer   *October 2018 - Present*

- Won the contract to build a report automation web-app for a marketing agency client. I modelled the ROI compared to current manual process. And, I explained tradeoffs of buying off-the-shelf vs. building to the non-technical owner. After about 1 month of back and forth, I closed the deal.
- Built the Elm frontend/Kotlin backend web-app to automate report generation/delivery for the marketing agency client. I've secured a maintenance contract moving forward.
- Integrated Twitter API into client application for brand marketing attribution. This allowed the client to see what results came from Twitter outreach campaign
- Reduced stock earnings dates collection time 80% via automated web scraping with Python and BeautifulSoup4. I set up a cron job that runs every quarter, using Python to parse data into csv format, sending an email with the results attached as a csv file

University of Texas   *Austin, Texas*

Coding Bootcamp TA   *January 2020 - Present*

- Simplified complex technical topics for a beginner audience with video and written content
- Reduced homework grading time 80% by developing a terminal app with PostgreSQL and bash that automated manual work
- Motivated students through a vulnerable time learning a new skill

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

Education

University of Michigan   *Ann Arbor*

Bachelor of Science Mathematics   *May 2013*

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