Aman Agarwal

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Work Experience

Austen Summers Inc. COO and Coach, February 2021 - Current

Worked at a social skills development company that taught our clients to overcome social anxiety to help them with their careers, public speaking, and dating.

COO

- Grew the business from a 50k/year revenue to 500k/year
- Provided the grounding and structure to channel my business partner's visionary energy into a productive and lucrative direction
  - Managed timelines and deadlines and schedules
  - Project management and prioritizing tasks
- Doing whatever needed to be done

Coach

- Guided over 100 clients in person through exercises, meditations, and actual social interactions to help them overcome social insecurities and improve their social skills
- Diagnosed with incredible accuracy the primary issues and sticking points clients were having with their social lives
- Effortlessly created a trusting and safe environment where clients could be vulnerable and open about their insecurities and struggles

Amazon Software Dev Engineer, September 2019 - December 2019, May 2020 - January 2021

Worked on a team that designed and built scalable backend web services and customer facing APIs to help support tracking and hiring headcounts within Amazon primarily with the Recruiting teams. The services were primarily written in Java, Javascript, and JQuery and used AWS technologies such as EC2 and RDS/DynamoDB/RedShift.

Headcount Management Software

- Worked through all phases of the project lifecycle, including reviewing requirements, building new interfaces and also integrating with existing architectures, developing and testing code, and delivering seamless implementations for our customers

Web Development Infrastructure Setup

- Took lead on deciding which web development framework to use for a new product. Wrote an extensive document comparing and contrasting various different frameworks and ultimately providing my recommendation with reasoning and analysis. Considered the top industry options against our requirements and team experience

Facebook Software Engineer, July 2017 - June 2019, Intern, July 2015 - September 2015 & July 2016 - September 2016

Worked on the Nuclide team, Facebook's custom IDE written primarily in Javascript and Flow using ReactJS and Observables (RxJS). Collaborated with partner and cross-functional teams, developed project plans, and communicated timelines and progress regularly.

Java Debugger

- **DAP Migration**: Rewrote Nuclide's in-house Java debugger to speak Microsoft's Debug Adapter Protocol
  - Wrote multithreaded Java, debugged race conditions, added end-to-end tests, and properly used locks
- **Driving Adoption**: Single-handedly conducted user research with developers to prioritize tasks. Drove adoption through better console expression evaluation, evaluate-on-hover support for variables in code, and support for custom source paths allowing developers to debug library and non-standard code.
  - Used analytics infrastructure to measure changes in daily, weekly, and monthly usage

Python Support

- **Python Debugger**: Synced over two years of open source commits for the Python debugger resulting in faster performance and bug fixes
  - Added custom support for Django developer containers providing port forwarding, path mapping, and a Chef deployment of Nuclide
- **Format on Save**: Developed feature in Nuclide that formats file on save, pairing the appropriate formatter with the formatter configuration specific to a file's repository

Daiquery

- **Uhaul Integration**: Improving Data Scientists' UX by integrating two separate, but commonly used tools
  - Reduced cognitive overhead by remembering dependencies between queries and data transfers
  - Helped users compile queries more easily by pulling in metadata of datasets

ComponentKit

- **pcomponents**: debugging tool for ComponentKit, a React-inspired view framework for iOS
  - Used by Facebook's iOS developers
  - automatically generates debugging information for the app's bug reports
  - Open sourced, I have met developers outside of Facebook who use it
- **Performance Components**: tool for measuring Component creation and layout computation times
  - Generated data to determine which components used the most time
- **Shimmering Stories**: changed the way new Facebook posts load
  - Changes increased user interaction during the period in which new posts were being loaded from the server

Coupa Software Software Engineering Intern, June 2013 - September 2013

- Created and setup a developer VM
  - Decreased ramp up time for new developers
- Added the Visa Commercial Format and Orbitz Travel documents to the system
  - Allowed for Visa corporate card expenses and Orbitz travel expenses to be used by the expense management system

The Coding School Instructor, 2014 - 2017

- Taught HTML/CSS, Javascript, and Unity to Middle School Students
- Learned what makes programming difficult to learn and how tools can make this easier
- Helped design and provide feedback on course curriculums

Projects

Amanphic: April 2016

- An exploration into making abstractions easier to understand and create
- Uses a "Prototype tree" which combines advantages of both classical and prototypical inheritance
- Displays many instances of a class to help users better understand the abstraction that the class provides

FBCLI: April 2013

- Web-based command line interface for Facebook
- Wrote the input parser and passed parsed tokens to their respective functions
- 2013 Facebook SoCal Hackathon Winner

Skills

Languages JavaScript, Java, PHP/Hack, Python, SQL, C, C++, HTML, CSS

Tools Linux/Unix CLI, Vim, Git, Mercurial, Visual Studio Code, XCode, Nuclide/Atom, Heroku

Education

B.S., Computer Science, University of California, Los Angeles

2012-2016, 2020. GPA: 3.0

About Me

I like meditating, rock climbing, traveling, and comedy.