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AARON CHAN

EMPLOYMENT

Harvey — February 2024 - Present
Applied AI Research — *San Francisco*

· Co-owner of the citation engine in all products, core to customer trust and highly utilized in most visible product surfaces.
· Develop several 0 to 1 features in Assistant product (98% of customer traffic).
· Led engineering and shipped several workflows to alpha and GA including memos, transcripts, contracts.
· Improved document understanding pipelines to reach 30% precision gains (absolute) in transcripts product.

Microsoft Research — September 2021 - February 2024
AI/ML Software Engineer, Developer Division + Github Copilot — *Remote*

· Filed 7 provisional patents as (4 as primary inventor, 3 as secondary inventor) for AI Security inventions below.
· Architect of the Copilot Evaluation Framework used by Copilot extensions for VS Code, Visual Studio and IntelliJ.
· Created an AI system for security for Github Copilot, presented demo to Microsoft CEO Satya Nadella.
· Led development of LLM-based AI tools for improving internal codebases, shipped across 5+ organizations at Microsoft.
· Led, patented, and shipped Azure Powershell Predictive Intellisense.
· Co-authored 3 papers related to AI and LLM performance in the security and code generation space, submitted to CHI, KDD and ICSE conferences (2021-2023).
· Completed internships during Summer 2019 and Summer 2020.

Tiedye — Summer 2020 - December 2021
Founder, Chief Technical Officer — *Provo, UT*

· Built and launched Tiedye, a social networking app for college students to build communities (700+ WAU).
· Placed 1st in Lassonde Get Seeded 2021 Pitch Competition, admitted into BYU Founder's Launchpad startup accelerator.

Matchmaker Surveys — Fall 2020 - Winter 2021
Founder, Chief Technical Officer — *Provo, UT*

· Designed, architected, and shipped Matchmaker, 80 questions designed to find compatibility in dating.
· Acquired and supported 5000+ student users per round without system crashes. 5+ confirmed marriages.
· Partnered with local businesses such as Subzero and Brick Oven Pizza to monetize and offer discounts to users.

Facebook — Winter 2020
Software Engineer Intern, WhatsApp Chat Infra — *Menlo Park, CA*

· Designed a distributed testing framework to reduce test time by 95% for multi node tests.
· How good is WhatsApp message temporary storage reliability? Built a cross-service distributed algorithm that measures real-time redundancy in WhatsApp systems that scales to more than 100 billion messages per day.

BYU Competitive Coding Instructor — Fall 2019

· Designed course material and coached a class of 30 students, who went on to receive offers from Amazon, Microsoft, etc.
· Created problem sets, hosted in-class competitions, conducted practice interviews, graded assignments

EDUCATION

Brigham Young University — **2015 - 2021**
B.S. Computer Science, B.S. Statistics — *GPA: 4.0, Summa Cum Laude*

· *Thomas S. Monson Presidential Scholarship*
· *Technical Skills:* Python, C++, C#, Java, Node/Javascript, R, SQL, Emacs Lisp, Bash
· *Activities:* Co-founder Data Science Club (200+ members); Co-founder of Commercial Space Club (NASA finalist team); 2018/2019 Vice President Mu Sigma Rho Honor Society

PROJECTS & AWARDS

· Philosophie (2021) - founding member of angel investing syndicate. Drafted and presented memos of several successful crowd funded companies including Gumroad and Digibuild.
· Per Origami Ad Astra (2020) - undergraduate finalist paper representing BYU in NASA national SPOCS competition
· Project Hacker Studio (2020) - Best in Category Hacklarious Hackathon (National MLH competition, 200+ teams)
· Top 10 ACM ICPC Rocky Mountain Region 2019