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AARON CHAN

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EMPLOYMENT

Microsoft September 2021 - Present
Software Engineer and Data Scientist, Developer Division + Github Copilot *Remote*

· Created an AI system for security for Github Copilot, presented demo to Microsoft CEO Satya Nadella.
· Developed AI tools for bug detection in C++ repositories
· Primary contributor to patent of novel end to end system for Azure PowerShell predictive intellisense.
· Co-authored a paper "Measure what matters when experimenting with AI systems" submitted to CHI Human Computer Interaction Conference.
· Completed Summer 2019 and Summer 2020 internship projects

Tiedye Summer 2020 - Present
Founder, Chief Technical Officer *Provo, UT*

· Built and launched Tiedye, a social networking app (Flutted) for college students to build communities.
· Used and loved by hundreds of students at Brigham Young University and UC Berkeley.
· Placed 1st in Lassonde Get Seeded 2021 Pitch Competition, admitted into BYU Founder's Launchpad startup accelerator.

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

· Designed, architected, built and shipped Matchmaker (https://matchmakerprovo.com), a survey of 80 questions designed to find compatibility in a 1:1 match algorithm.
· Acquired and supported 5000+ student users per round without system crashes.
· 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 to merely 5% of what it was, saving hours per engineer.
· 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 65+ 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

ACCOMPLISHMENTS & PROJECTS

· 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 (MLH, 200+ teams)
· Top 3% Lucid 2019 Programming Contest (173 teams, BYU, USU, UofU)
· Top 10 ACM ICPC Rocky Mountain Region 2019

HOBBIES AND INTERESTS

· Former concert pianist, cellist, cooking, working on becoming quadlingual (English, Spanish, Mandarin, Cantonese)