

CHI FENG

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[GitHub](#) | [LinkedIn](#) | [PersonalWeb](#)

EDUCATION

Cornell University Aug 2021 – May 2022
Master of Engineering in Operations Research and Information Engineering | GPA: 3.8/4.0
New York City, NY

University of California, Davis Sep 2017 – Apr 2021
Bachelor of Science in Applied Mathematics | GPA: 3.7/4.0
Davis, CA

TECHNICAL SKILLS

AWS, Python, SQL, JavaScript, TypeScript, Java, HTML, CSS, Angular, React, Microsoft Office/Google

WORK EXPERIENCE

Antra.Inc Apr 2023 – Oct 2023
Frontend Developer Seattle, WA

- Engineered dynamic and responsive web applications using Angular, TypeScript, and NestJS.
- Designed and optimized RESTful API routes and endpoints with NestJS.
- Implemented lazy loading and route resolvers to significantly enhance app performance.
- Developed authentication service and utilized MongoDB for scalable user data management.

Amazon.com Aug 2022 – Jan 2023
Software Development Engineer Irvine, CA

- Designed and developed web application for Amazon's cloud gaming service with TypeScript, JavaScript, and React.
- Implemented automated testing to achieve continuous integration and delivery (CI/CD) using Jest and Cypress.
- Leveraged Amazon API Gateway and AWS Lambda for API management, ensuring seamless data flow.
- Utilized AWS services including S3 and CloudWatch to monitor pipeline health.
- Worked across teams including engineers, designers, and project managers to deliver high quality features.

Baicizhan Apr 2021 – Jul 2021
Operations Intern Chengdu, China

- Developed a comprehensive community operations strategy, refining SOP to enhance user retention and engagement.
- Managed over 2000 customers through phone and WeChat. Responsibilities included offering personalized study guidance, delivering post-class services, onboarding process for new customers, and organizing activities to foster community participation.
- Gathered and analyzed customer feedback, leading to the establishment of a continuous improvement plan aimed at optimizing user satisfaction and overall community experience.

Aerofugia Aircraft Jun 2020 – Oct 2020
Research and development Intern Chengdu, China

- Developed a mathematical model to simulate local interaction of Unmanned Aerial Vehicle swarm.
- Applied the developed model to present common steering behaviors of autonomous swarms to achieve complex flock tasks. Conducted a 20-pages industry research report.

PROJECTS

Citi Bike Stations Stationary Analysis Spring 2021

- Modeled the Markov Chains to study the availability of bikes in CitiBike stations.
- Cleaned and identified relevant data from millions of trip data and modeled with Discrete Markov Chain.
- Estimated the steady state of the available bikes and the transition probability for different time blocks.
- Predicted ride patterns and popularity among different CitiBike stations.