

Haoyao Chen

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EDUCATION

Santa Clara University

Santa Clara, CA

Master of Science in Computer Science GPA: 3.96/4.00

Sep 2019 – Mar 2021

- **Relevant courses:** Design and Analysis of Algorithms, Database Systems, Distributed Systems, Cloud Computing, Parallel Programming, Web Search and Information Retrieval, Big Data, Software Architecture

University of California, Davis

Davis, CA

Bachelor of Science in Computer Science GPA: 3.22/4.00 (including transfer units)

Oct 2014 – Jun 2016

- **Relevant courses:** Data Structures, Object-oriented Programming, Discrete Math, Operating Systems, Computer Architecture, Computer Networks, Programming Languages, Software Engineering, Machine Learning

TECHNICAL SKILLSET

Languages: Java, C, C++, PHP, JavaScript, Python

Technologies: Unix/Linux, Git, MySQL, DynamoDB, Apache Spark, Hadoop, Selenium, Jenkins, HTML, CSS

WORK EXPERIENCE

Amazon Web Services

East Palo Alto, CA

Software Engineer Intern

Jun 2020 - Sep 2020

- Lead own internship project with minimal supervision and guidance
- Owned all stages of software development including requirement definition, functional design, architecture design, coding, unit testing, integration testing, deployment, and metrics collection
- Coordinated collaboration with external teams by communicating project purposes and specifications
- Contributed to colleagues' work through design reviews and code reviews

UiPath

Tokyo, Japan

Technical Consultant

Oct 2018 - Aug 2019

- Won company-wide *Best Project Award* for successfully delivering a USD 6 million project. Team size: 10
- Developed web application for system admins to monitor batch jobs
- Established coding convention, version control, CI/CD, improving developer productivity for a large software development project involving more than 100 developers
- Hosted weekly tech seminar to help more than 40 developers improve code quality
- Gathered customer feedback on UiPath's products and coordinated product feature development, increasing customer satisfaction and making UiPath competitive

Rakuten

Tokyo, Japan

Software Engineer

Oct 2016 - Sep 2018

- Developed web applications for clients to purchase and manage Ad campaigns
- Led effort to adopt Apache Spark to scale up data pipelines. Established best practice for Spark program design and performance tuning
- Coordinated development projects between business development teams and software product development teams to ensure that software products are developed to precise specification
- Mentored new graduates to help them become successful members of my organization

PROJECTS

Data API Granular Control (Amazon Web Services)

Jun 2020 - Sep 2020

- Created public APIs for AWS customers to configure their RDS database usage
- Delivered value to some of AWS's largest customers by bringing highly demanded features from conception to release in a short time

Data pipeline scale-up (Rakuten)

Sep 2017 - Mar 2018

- Led effort to scale-up Ad business's data pipeline using Apache Spark
- Created new data pipelines that can efficiently process billions of lines of log data per day