# 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 (planned):** 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
- **Volunteer experience:** 2 years as computer science tutor and webmaster

## TECHNICAL SKILLSET

**Languages**: Java, C, C++, PHP, JavaScript, Python
**Technologies**: Unix/Linux, Git, MySQL, DynamoDB, Apache Spark, Hadoop, Selenium, Jenkins, HTML, CSS

## EXPERIENCE

### Amazon Web Services
East Palo Alto, CA

*Software Engineer Intern*   *Jun 2020 - present*

- Leading own internship project (ongoing) with minimal supervision and guidance
- Owning all stages of software development including requirement definition, functional design, architecture design, coding, unit testing, integration testing, deployment, and metrics collection
- Coordinating collaboration with external teams by communicating project purposes and specifications
- Contributing 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 - present*

- Creating public APIs for AWS customers to configure their RDS database usage
- Delivering value to some of AWS's largest customers by bringing highly demanded features from conception to public access in a fast manner

### 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