

# Haoyao Chen

San Jose, CA

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## EDUCATION

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### Santa Clara University

Santa Clara, CA

*Master of Science in Computer Science*

*Sep 2019 – Jun 2021*

- **Relevant courses (planned):** Design and Analysis of Algorithms, Database Systems, Distributed Systems, Cloud Computing, Mobile Application Development

### University of California, Davis

Davis, CA

*Bachelor of Science in Computer Science*

*Oct 2014 – Jun 2016*

- **Relevant courses:** Data Structures, Discrete Math, Operating Systems, Computer Architecture, Computer Networks, Software Engineering

## TECHNICAL SKILLSET

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**Languages:** Java, C, C++, Scala, Python, Javascript

**Technologies:** Spring Framework, Apache Spark, Hadoop, MySQL, MongoDB, Angular.js, Git, Unix/Linux, Jenkins

## EXPERIENCE

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### UiPath

Tokyo, Japan

*Technical Consultant*

*Oct 2018 – Aug 2019*

- Won company-wide "Best Project Award" for delivering successful 6 million USD 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 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
- Implemented Agile methodology for team of 10 developers and led weekly Scrum meetings

## PROJECTS

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### OCR solution (UiPath)

*Jun 2019 – Aug 2019*

- Established metrics for OCR (optical character recognition) accuracy
- Created Python scripts that gauges OCR performance
- Delivered OCR solution using ABBYY OCR, cutting manual data entry by 10,000 man hour per year

### Data pipeline scale-up (Rakuten)

*Sep 2017 – Mar 2018*

- Led effort to scale-up Ad business's data pipeline using Apache Spark
- Create new data pipelines that can efficiently process billions of lines of log data per day
- Helped the Ad business to expand and double its profit

### Ad recommendation service (Rakuten)

*Jun 2017 – Sep 2017*

- Built SQL queries that create Ad campaign recommendation based on Ad campaign analysis and trends in search terms
- Created web application with Java, Angular.js, and MySQL that pushes Ad campaign suggestions to clients
- Achieved 20% increase in Ad profit