

Ray L. He

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EDUCATION

University of California, Berkeley – College of Letters and Sciences

Bachelor of Arts in Data Science

Berkeley, CA

Fall 2018 – Fall 2021

- Relevant Coursework: Structured Programming, Data Structures, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Multivariable Calculus, Computer Architecture, Principles and Techniques of Data Science, Efficient Algorithms, Operating Systems, Machine Learning.

Westview High School

High School Diploma

San Diego, CA

August 2014 – June 2018

- Weighted GPA: 4.35, Unweighted GPA: 3.87, ACT: 36; SAT: 1490; SAT Math II: 800; SAT Physics: 800

WORK EXPERIENCE

Amazon SDE 1

Intelligent Routing, Consumer Organization

Seattle, WA

Feb 2022 – Jan 2023

- Developed projects supporting product migration; projects support scaling up from 100s to 1000s of associates
- Full stack development with Java/Spring, TypeScript/React, and AWS suite
- Served in on-call rotation to support team OE goals, debugged issues in CI/CD environment

Amazon SDE Intern

Intelligent Routing, Consumer Organization

Seattle, WA

June 2021 – August 2021

- Developed feature to detect routing conflicts when clients attempt to create new rules
- Developed backend API in Java to detect conflicts and created frontend user portal through RoR and JS
- Feature greatly reduces time spent debugging as this process is manual and could have a scope of 1000+ rules

Amazon SDE Intern

Selling Partner Support Tech, Consumer Organization

Seattle, WA

June 2020 – August 2020

- Automated creation of phone contact transcription and summary following customer calls reducing handle time
- Used ML extractive NLP techniques to generate readable summary of generated transcription
- Developed proficiency in AWS Tools and best practices such as: Lambda, S3, Kinesis Firehose, KMS/IAM control

LEADERSHIP EXPERIENCE

Syndicate Robotics

FIRST Tech Challenge Team, Team Founder and Captain

San Diego, CA

August 2016 – June 2018

- Led team to #1 finish in the greater San Diego region 2 years in a row, won multiple awards along the way
- Secured \$12,000 in funding for the team through grant applications and local sponsorships
- Coordinated community mentorship of younger, middle-school aged teams (~100 man hours per year)

ADDITIONAL INFORMATION

Technologies: Java, Python, React, TypeScript, C, Git, Docker

AWS Suite: CloudFormation/CDK, CloudWatch suite, Comprehend, Connect, DynamoDB, EC2, IAM, KMS, Kinesis Firehose, Lambda, OpenSearch, S3, SNS/SQS, VPC

Websites: <https://www.linkedin.com/in/rayleehe/> | rayleehe.github.io

Languages: English, Chinese (fluent) | Spanish (conversational)

Interests: Rowing, fishing, poker, Haruki Murakami books, go-kart racing