

# Ray L. He

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## EDUCATION

### **University of California, Berkeley – College of Letters and Sciences**

**Berkeley, CA**

*Bachelor of Arts in Data Science*

*Class of 2022*

- 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.

### **Westview High School**

**San Diego, CA**

*High School Diploma*

*August 2014 – June 2018*

- Weighted GPA: 4.35, Unweighted GPA: 3.87, ACT: 36; SAT Math II: 800; SAT Physics: 800
- National AP Scholar with Distinction, 2016-2018 Honor Roll, Dean's List Semi-finalist

## WORK EXPERIENCE

### **Amazon SDE Intern**

**Seattle, WA**

*Partner Support and Solutions Tech Team, Consumer Organization*

*June 2020 – August 2020*

- Assisted team in migration to a new phone contact CRM platform by automating a previously manual task
- Reduced average handle time of associates by automating creation of a transcription and summary of contact
- Used ML extractive NLP techniques to generate the summary based off an automatically generated transcription
- Laid groundwork for development of an abstractive summary model to be trained with supervised data after pilot

### **Amazon AFE SDE Intern**

**Seattle, WA**

*Partner Support and Solutions Tech Team, Consumer Organization*

*May 2019 – August 2019*

- Developed a service to track previously unused metrics for increasing Seller Support Associate productivity
- Gained experience working in large codebases, designing scalable software, and strenuous unit/integration testing
- Developed proficiency in AWS Tools: SNS, SQS, KMS, Kinesis Firehose, S3, DynamoDB, Glue
- Used JS and AWS Lambda to develop an Alexa skill for mobility impaired individuals during a hackathon

### **Hamilton College Consulting**

**San Diego, CA**

*Standardized Test Prep, Site Coordinator*

*June 2018 – August 2018*

- Managed four student workers and twelve teachers serving 240+ students over the course of the summer program
- Acted as liaison between site employees and upper management as well as with parents
- Used on the spot problem solving to deal with site emergencies including medical and logistical issues

## LEADERSHIP EXPERIENCE

### **Syndicate Robotics**

**San Diego, CA**

*FIRST Tech Challenge Team, Co-Founder and Team Captain*

*August 2016 – June 2018*

- Led team to be the #1 spot in the greater San Diego region 2 years in a row, won multiple awards along the way
- Acted as project manager for both years to coordinate efforts of 10 team members
- Coordinated community outreach events (100 man hours per year) and raised funding for the team (\$12,000 total)

## ADDITIONAL INFORMATION

*Languages:* English (native), Chinese (proficient), Spanish (conversational)

*Projects:* Google maps clone of Berkeley area, Randomized 2D world generator, Scheme interpreter

*Websites:* <https://www.linkedin.com/in/rayleehe/> | [rayleehe.github.io](https://rayleehe.github.io)

*Technologies:* (Proficient) Java, Python, C | (Basic) HTML/CSS/JS, Microsoft Office (Excel, Word, PowerPoint)

*Interests:* Weight lifting, fishing, poker, Haruki Murakami books, go-kart racing