

# Shanelle Roman

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## EDUCATION

### YALE UNIVERSITY

B.S. IN COMPUTER SCIENCE

B.A. IN ECONOMICS

Expected Dec 2019 | New Haven, CT

Cum. GPA: 3.94 / 4.0

### EDINA HIGH SCHOOL

Grad. May 2015 | Edina, Minnesota

Weighted. GPA: 4.5 / 4.0

SAT Math: 740

SAT Reading: 790

SAT Writing: 800

## LINKS

LinkedIn:// [shanelle-roman-37baa6103](#)

Research:// [nl2sql: an extension of seq2sql](#)

## COURSEWORK

### GRADUATE

Computer Science and Law

### UNDERGRADUATE

Senior Thesis

Artificial Intelligence

Systems Programming

Natural Language Processing

Linear Algebra

Probability Theory

Design and Analysis of Algorithms

Data Mining and Machine Learning

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • Python • C • Swift

Familiar:

C++ • CSS • HTML • Javascript • MySQL

## AWARDS

Google Grace Hopper Scholar

Floodgate Insider

Computing4Change Participant

## EXPERIENCE

### CTRL-LABS | SOFTWARE ENGINEERING INTERN

Aug 2018 – Dec 2018 | New York, NY

- Utilized ZeroMQ to create a testing framework for EMG reading armband
- Working on feature specification for upcoming launch of CTRL-kit
- Adding support for dilated convolution Tensorflow graph inference in CTRL-kit's C++ pipeline

### GOOGLE | ASSOCIATE PRODUCT MANAGEMENT INTERN

May 2018 – Aug 2018 | Mountain View, CA

- Spearheaded development of a Bluetooth accessory – launched internally at Google with small beta group of users
- Worked on two upcoming Bluetooth accessories for Google Assistant
- Determined design with UX lead and iterated based on study feedback
- Coordinated implementation between multiple teams spread across hardware, software, and firmware

### TWO SIGMA INVESTMENTS | SOFTWARE ENGINEERING INTERN

May 2017 – Aug 2017 | New York, NY

- Developed interactive framework to visualize internal financial model states so malfunctioning models could be debugged without restarting the trading system
- Deployed software to live system which trades more than 300 million shares per day

## ACTIVITIES

### COMPUTER SCIENCE DEPARTMENT ADVISORY COMMITTEE | REPRESENTATIVE

May 2017 – May 2018 | New Haven, CT

- Elected to provide student voice to departmental decisions for community of over 400 students
- Successfully spearheaded effort to renew joint Harvard-Yale introductory course CS50

### URBAN IMPROVEMENT CORPS | DIRECTOR OF PROGRAMMING CORPS

May 2017 – May 2018 | New Haven, CT

- Taught a 6-week web development workshop and 10-week game design course for low-income middle school students
- Designed the curriculum, directed Teaching Assistants, and organized speaker events

### YALE STUDENT TECHNOLOGY COLLABORATIVE | PROJECT DEVELOPMENT LEAD

Sept 2016 – Aug 2018 | New Haven, CT

- Managed both iOS and Android teams in development of the official Yale mobile apps – spearheaded redesign of the app during the 2017 – 2018 school year
- Acted as intermediary between Yale Office of Public Affairs and Yale IT regarding design and functionality of new Yale app

### YALE COMPUTER SCIENCE DEPARTMENT | TEACHING ASSISTANT

Sept 2016 – May 2018 | New Haven, CT

- Lead office hours, conducted breakout sessions, and graded exams for classes of over 100 students