

# Mithun Vijayasekar

SOFTWARE ENGINEER - BACKEND

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## WORK EXPERIENCE

- June 2018  
Sept 2018
- **Software Engineering Intern** San Francisco, CA  
Coinbase Inc.
    - Member of the Crypto Payments Team.
    - Helped launch Ethereum Classic (ETC) support
    - Built blockchain node management library for backups and redeployments using Ruby
    - Designed and implemented a dashboard to monitor the health of blockchain nodes
- Sept 2017  
Dec 2017
- **Software Engineering Intern** San Mateo, CA  
Edmodo Inc.
    - Re-architected the backend infrastructure from GoLang to Ruby on Rails
    - Redesigning and implemented models and controllers for existing views
- June 2017  
Sept 2017
- **Software Engineering Intern** Seattle, WA  
Amazon.com Inc.
    - Developed an algorithm to analyze real time availability, latency and cost of CDNs in Java application.
    - Setup and deployed the Java application into production as a web service.
    - Helped develop an on-boarding chatbot using AWS Lex.
- Sept 2016  
Dec 2016
- **Financial Training Intern** Sacramento, CA  
Morgan Stanley
    - Completed weekly projects applying fundamental and technical analysis on equity research.
    - Presented my research on current events and pitched investment opportunities.
    - Researched and wrote a sector analysis report.



## PROJECT

- Jan 2018  
June 2018
- **Semantic Web Visualizer**  
UC Davis: Data Science Initiative  

This project is part of an initiative to change the UC Davis library catalog to a linked-data universe. My team implemented a Java backend along a JavaScript and D3.js frontend that utilized the SPARQL query language to retrieve and present data in N-Triple format.



## EDUCATION

- 2014 - 2018
- **Computer Science Engineering**  
University of California, Davis  
Minor:
    - Cognitive Science
    - Technology Management



## SKILLS

Java	● ● ● ● ●
C	● ● ● ● ●
HTML5/CSS	● ● ● ● ●
Ruby	● ● ● ● ●
Python	● ● ● ● ●
SQL	● ● ● ● ●
R	● ● ● ● ●
Unix	● ● ● ● ●



## RELEVANT CLASSES

MAT 22B – Differential Equations  
ECS 40 – Software Development  
ECS 50 – Computer Organization  
ECS 60 – Data Structures  
ECS 122 – Algorithm Design  
ECS 132 – Probability & Statistics Modeling  
ECS 140 – Programming Languages  
ECS 150 – Operating Systems  
ECS 152 – Computer Networks  
ECS 154 – Computer Architecture  
ECS 160 – Software Engineering  
ECS 165 – Database Systems



## ORGANIZATIONS

- Blockchain @ UC Davis
- Theta Chi Fraternity
- Computer Science Club
- Rotaract Club
- Save a Refugee



## LANGUAGES

English	● ● ● ● ●
Tamil	● ● ● ● ●
Telugu	● ● ● ● ●
Spanish	● ● ● ● ●
French	● ● ● ● ●