

# WILLIAM BERMAN

Mountain View, California ♦ WLBberman@gmail.com

## WORK EXPERIENCE

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**Coinbase** 2020 - present  
*Software Engineer*

**Opus Logica** 2017 - 2020  
*Software Engineer, Project Lead*

- Created general-purpose risk assessment tool for the Department of Energy
  - Led feature development by combining requirements for regulatory compliance and risk assessment into software roadmaps
  - Directed technical discussion at multiple risk assessment working groups by integrating software with existing client workflows and evaluating user feedback
  - Architected core library around custom Lisp implementation to handle changing requirements and ensure future extensibility
  - Integrated AGPLv3 code with proprietary risk assessment methodology, ensuring compliance with existing intellectual property
  - Instrumental in evolving project to receive continued funding
- Created asynchronous data processing pipeline with microservices architecture
  - Identified and removed performance bottlenecks by refactoring existing system into multiple, smaller services

**Orchid Protocol** 2018  
*Software Engineer*

- Prototyped bootstrapping node for blockchain network
- Worked closely with a product manager to evaluate the feasibility of features and technologies

**Research on Adaptive Computing Environments Laboratory** 2016-2018  
*Systems Researcher*

- Researched applications of ARIMA based modeling on AWS spot instance pricing market
- Containerized and automated the deployment of existing high-performance data analytics code

## EDUCATION

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**B.S. Computer Science - University of California, Santa Barbara** 2015-2018

GPA - 3.9 - Highest Honors

College of Creative Studies - A graduate school for undergraduates

Completed Computer Science program in two years

Concurrently worked full time at Opus Logica starting Fall of Junior year

## PROGRAMMING LANGUAGES

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<b>Proficient</b>	TypeScript, Java, JavaScript, Python, Haskell, Ruby, Racket
<b>Familiar</b>	Go, C, C++

## TECHNOLOGIES

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<b>Proficient</b>	Linux/Unix/*nix Systems, Docker, Microservices, Design Patterns, Node, Ruby on Rails Domain Specific Languages, Object-relational mapping, Angular, LISP, Android
<b>Familiar</b>	MySQL, PostgreSQL, React, Ansible

## REFERENCES - Contact information available upon request

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<b>Brian J. Fox</b>	Inventor of GNU Bash Shell ♦ CEO Opus Logica ♦ Co-founder Orchid Protocol
<b>Rich Wolski</b>	Head of systems department at UCSB ♦ CTO/Co-founder of Eucalyptus systems
<b>Murat Karaorman</b>	Senior Software Engineer Linear Technology ♦ Technical lead Texas Instruments