

WILLIAM BERMAN

Mountain View, California ♦ WLBberman@gmail.com

WORK EXPERIENCE

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

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

Proficient	TypeScript, Java, JavaScript, Python, Haskell, Ruby, Racket
Familiar	Go, C, C++

TECHNOLOGIES

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

REFERENCES - Contact information available upon request

Brian J. Fox

Inventor of GNU Bash Shell ◇ CEO Opus Logica ◇ Co-founder Orchid Protocol

Rich Wolski

Head of systems department at UCSB ◇ CTO/Co-founder of Eucalyptus systems

Murat Karaorman

Senior Software Engineer Linear Technology ◇ Technical lead Texas Instruments