

# CHRIS CLARK

San Francisco, CA

<http://cclark.me>

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## EXPERIENCE

### Ripple Labs Inc.

*Lead Software Engineer* January 2015 - Present

*Senior Software Engineer* December 2014 - December 2015

- NodeJS development for cryptocurrency-based banking settlement solution.

### Rampant Logic LLC

*Founder and Full Stack Software Developer* April 2013 - November 2014

- *Postscript Viewer* - application to view postscript files on Windows with over 300,000 downloads.
- *Architect Server* - Arch Linux-based platform for self-hosted websites and cloud services built on Python, Flask, Javascript, Nginx, and several web-based microservices.
- *Entropass* - cryptographic password manager with extensions for Chrome and Firefox, and an app for iOS.

### Bloomberg LP

*Financial Software Developer* February 2011 - April 2013

- Financial software development in Python and Linux, including work on a cash flow engine for Mortgage-Backed Securities, a MySQL loan database, and a credit model for European Mortgage-Backed Securities.

### Qualcomm Inc.

*Software Engineering Intern* Winter 2009

- Developed a mobile augmented reality app for Android that let users view geotagged photos in their vicinity.

### European Organization for Nuclear Research (CERN)

*Research Assistant* Summer 2005

- Performed computer simulations of gases in Muon Drift Tubes for the LHCs ATLAS detector and developed an equation to describe the rate of Penning transfer in such gases.

### Los Alamos National Laboratory (LANL)

*Research Assistant* Summer 2004

- Performed experimental and theoretical research on Gallium Arsenide (GaAs) multiple quantum wells, including FTIR studies.

### Fermi National Accelerator Laboratory (Fermilab)

*Research Assistant* Summer 2003

- Worked on configuring and benchmarking the next generation Linux server on the site of the B0 detector to be used in real-time logging of particle collision data.

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## EDUCATION

**University of California, Los Angeles (UCLA)** · September 2005 - June 2010

Cumulative GPA: 3.83/4.00

- Completed 5 years of Ph.D. program in physics.
- Awarded M.S. in Physics, December 2006.
- Completed half of a M.S. Computer Science degree by credits (8 courses, 3 graduate level).
- Recipient of Finkelstein Graduate Fellowship in Theoretical Physics.

**University of Rochester** · September 2002 - May 2005

Cumulative GPA: 3.97/4.00

- Awarded B.S. in Physics and B.A. in Mathematics, Summa Cum Laude, May 2005.
- Graduated in three years with two degrees, Dean's list every semester, Stoddard Prize in Mathematics, Physics Honors Prize, Phi Beta Kappa Honor Society, Golden Key Honor Society, Society for Physics Students, Nominated for Churchill Fellowship, perfect score on quantitative GRE.
- Awarded ESPN First Team Academic All-American status for Varsity Track and Field in 2005.

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## PUBLICATIONS

**Bitcoin Internals: A Technical Guide to Bitcoin** · Published June 15th, 2013

- Reached #1 best-seller status in Amazon's *Cryptography Algorithms* category.

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## SKILLS

- Extensive experience in Python, Javascript, NodeJS, C, and Linux.
- Notable experience in C++, Java, MySQL, HTML, and CSS.
- Conversational in Japanese; two academic years of coursework and lived in Japan for 3 months.