



# Chris Arnesen

San Francisco, California

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## Education

Ph.D. Physics, Massachusetts Institute of Technology, Cambridge MA, 2002-2007

B.S. Physics, California Institute of Technology, Pasadena CA, 1997-2001

## Experience

### **ON SABBATICAL, SAN FRANCISCO, CA • JAN 2014 -**

Wrote open-source JavaScript programs for the Bitcoin Core daemon, bitcoind, including a process manager, administrative web interface, scalable (stateless) public web interface. Attended Blockchain University. Contributed to Bitseed Personal Bitcoin Server community software program.

### **DEVOPS ENGINEER, STORYCLOUD • MOUNTAIN VIEW, CA • MARCH - DECEMBER 2014**

Configured cloud computing resources for a web startup with a focus on security and scalability. Standardized laptop development environments using virtualization and configuration management. Implemented continuous build-test-release pipelines and live monitoring for our source code.

### **FIELD CONSULTANT, AB INITIO SOFTWARE • JUNE 2011 - DECEMBER 2013**

Translated big-data applications to the Ab Initio programming language. Developed data differencing algorithms to test program output. Architected the merger of critical mainframe applications at a major airline.

### **INTERNAL CONSULTANT, AB INITIO SOFTWARE • LEXINGTON, MA • APRIL 2009 - MAY 2011**

Responded to customer support requests about application design, best practices, performance tuning, software failures in development and in production. Developed and delivered instructor-led training courses. Unified the company's disparate training and demo programs into a single lightweight installer.

### **POSTDOCTORAL RESEARCHER, CARNEGIE MELLON UNIVERSITY • SEPTEMBER 2007 - JANUARY 2009**

Calculated limits on the rate of Higgs boson production at the Large Hadron Collider.

## Skills

Languages: JavaScript (Node.js), SQL, Ansible, Ab Initio, Mathematica, Matlab

Application architecture, distributed data processing, science, math, DevOps, technical writing, teaching, Linux, bitcoin, computer security, cloud computing, configuration management, relational databases