David Barsky

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Education

Fall 2013—2017

Brandeis University
Computer Science, B.S. with Honors.
Completed additional coursework in History & Politics.

Work Experience

Summer 2016

Amazon Web Services
Software Engineer (Intern)
- Architected and developed a distributed, fault-tolerant service for financial data auditing that simplified payments infrastructure and reduced on-call burden.

Summer 2015

Localytics
Software Engineer (Intern)
- Developed an internal iOS alpha of the core dashboard product using functional reactive programming techniques.

Summer 2012

Sloan Kettering
Summer Researcher
- Studied nuclear pore gene expression in the mouse embryo using bioinformatic tools. The resulting paper won an award from Intel Science Talent Search.

Selected Projects

Current

Honor's Thesis (github.com/davidbarsky/sirens)
- Studying efficient scheduling task scheduling using machine learning.

Current

Husk (github.com/davidbarsky/husk)
- Developing a Rust-based shell to learn more about systems programming.

Spring 2015

Gadabout (github.com/GadaboutTeam/GadaboutiOS)
- Developed an iOS application that enabled friends to socialize and spend time with.

Spring 2015

Surveyor (github.com/SurveyorTeam/Surveyor)
- Designed and developed a Ruby on Rails-based surveying/marketing tool.

Technical Skills

Languages: Scala, Java, Rust, Swift, JavaScript, SQL
Tooling: PostgreSQL, Redis, Git, JUnit, ScalaCheck, UIKit, RESTful APIs, LaTeX

Academics

Classwork: Database Management Systems, Operating Systems, Structure and Interpretation of Computer Programs, Data Structures and Algorithms
Activities: Parliamentary Debate (Varsity Captain), Rock Climbing