David Barsky

me@davidbarsky.com
davidbarsky.com
github.com/davidbarsky
linkedin.com/in/davidbarsky

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.

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.
- Won an award from Intel Science Talent Search.

Selected Projects

Current

Honor's Thesis (github.com/davidbarsky/conceptual)
- Studying efficient scheduling task scheduling using machine learning.
- Implemented in Scala, makes extensive use of property-based testing.

Current

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

Spring 2015

Gadabout (github.com/GadaboutTeam/GadaboutiOS)
- Developed an iOS application that lets users schedule time to connect with friends.

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, XCTest, 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