

Daniel Bittman

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Education

Ph.D. Student: UC Santa Cruz, Computer Science, Summer 2016 - Present

Adviser: Ethan Miller

Undergraduate: UC Santa Cruz, Fall 2011 - Spring 2016

GPA: 3.79/4.0

B.S. Computer Science - With Highest Honors

Senior Thesis: Implementing a Wait-Free Queue using C11 Atomics

B.S. Physics - With Honors

Senior Thesis: Solving Boundary Value Problems in Physics Efficiently Using Computers

Work Experience

Storage Systems Research Center, UCSC - Student Researcher: 2012 - Present

Research work in university computer science & computer systems lab.

Storage Systems Research Center, UCSC - System Administrator: 2015 - Present

Maintain compute clusters and equipment, and handle problems.

ITS Technician, UCSC: 2012 - 2013

Worked on a team to handle imaging of computers and technical support for departments.

Woodminster Amphitheater - Stage Crew: 2010 - Present, Summers

Off-stage-scenes work during shows.

Skills

- Programming: C, C++, Bash, Ruby, Rust, x86 Assembly, Python, HTML
- Software: git, SQL, vim, make, nginx, apache
- Linux system administration
- Server racking and management
- Kernel design and programming
- UNIX programming

Projects

<https://github.com/dbittman>

Self-hosted OS from scratch

Library MPSCQ1-

cts reinforcement learning -

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Other Interests

Musician - Guitar, Clarinet

Backpacking, Camping