Daniel Bittman

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Education

Undergraduate: UC Santa Cruz, 2011 - Present
GPA: **3.79**/4.0
B.S. Computer Science (Expected June 2016)
Senior Thesis: Implementing a Wait-Free Queue using C11 Atomics
B.S. Physics (Expected June 2016)
Senior Thesis: Solving Partial Differential Equation Boundary-Value Problems on Computers Quickly

Work Experience

Storage Systems Research Center, UCSC - Undergraduate Researcher: 2012 - Present
Worked with graduate students doing research in a 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 across the campus.

Woodminster Amphitheater - Stage Crew: 2010 - Present, Summers
Behind-the-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

Can be found at http://github.com/dbittman
- SeaOS - *UNIX compatible, self-hosting OS from scratch*
- MPSCQ - *Wait-free Queue Library in C11*
- rainfallgraphs.com - *Collects rainfall amounts and generates graphs of the data dynamically*

Other Interests

Musician - Guitar, Clarinet
Backpacking, Camping