

Current Address

SMC 4826, 5032 Forbes Avenue
Pittsburgh, PA 15213
585.944.5502

Daniel Burrows

dburrows@andrew.cmu.edu

Permanent Address

796 Whistler's Cove Lane
Rochester, NY 14612
585.392.9344

- OBJECTIVE** Seeking a challenging summer internship in computer engineering/science
- EDUCATION** **CARNEGIE MELLON UNIVERSITY**, Pittsburgh, PA
B.S. in Electrical and Computer Engineering, May 2010
Double Major: Statistics
Minor: Computer Science
Major QPA: 4.00, Cumulative QPA: 3.92
- RELEVANT EXPERIENCE** **CARNEGIE MELLON**
Research Associate, Statistics Department, Spring 2007 - present
Fall 2007- present:
 - Analyze motor cortical neuron data to determine relationship between changes in neuron firing rates and hand velocity using MATLABSpring 2007:
 - Explored effectiveness of a web based tutoring system for middle school mathematics students using log-linear regression models
iD TECH CAMPS Cleveland, OH
Programming and Robotics Instructor, Summer 2007
 - Instructed groups of students in week-long technical courses
 - Taught Java and robotics using the Vex Robotics Design System
 - Overnight camp counselor
CARNEGIE MELLON
Office Assistant, Drama Box Office, Fall 2006 - present
 - Complete daily computerized ticket sales
 - Aid in general office tasks and preparation for productions
- COMPUTER SKILLS** **Languages:** Java, C, Perl, Assembly, HTML, Verilog
Software: Eclipse with JUnit testing, MATLAB, Word, PowerPoint, Excel, OpenOffice, Minitab
Operating Systems: Windows, Mac, Linux
- PROJECTS** **Processor**, *Fundamentals of Computer Engineering*, Fall 2007
 - Modified Verilog description of a processor to add a new instruction that executes permutations of registers
Automated Chess Program, *Fundamental Data Structures and Algorithms*, Fall 2007
 - Worked with a partner to develop algorithms written in Java for a chess playing bot to compete against other groups across a server
Programmable Robot, *Electrical and Computer Engineering*, Fall 2006
 - Constructed smaller circuits to drive a beeper, LED, clock, memory chip, and two motors
- ACTIVITIES** **Carnegie Mellon Track and Field**, Fall 2006 - Present

Physics Concepts Outreach Program Mentor, Fall 2006 - Spring 2007
 - Helped middle school students develop self-confidence and an appreciation for education while teaching them physics concepts
- HONORS** Dean's List: Fall 2006, Spring 2007, Fall 2007
Meeting of the Minds Statistics Competition: First Place, Spring 2007
Eagle Scout Award