

Brian Ashworth

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OBJECTIVE

To obtain a full time job related to Computer Science

EDUCATION

University of Pittsburgh, Pittsburgh, PA

April 2017

Bachelor of Science in Computer Science, GPA 3.33, CS GPA 3.73

Nashua Community College, Nashua, NH

September 2011 – June 2013

Computer Networking – Running Start Program (College in High School)

Nashua High School South

SKILLS

Development: C, Java, Python, JavaScript, PHP, HTML, CSS, MySQL, Git

Systems: Windows 7 and 10, Linux, Windows/Linux Dual Boot

Miscellaneous: Basic Computer Networking, Vim, Eclipse, PyCharm

EMPLOYMENT

Student Computer Consultant (Work Study)

September 2013 – Present

University of Pittsburgh – School of Health and Rehabilitation Sciences

- Assisted faculty and staff with various help desk tickets
- Imaged desktop computers using Norton Ghost 15 and Symantec Ghost Solution Suite 3.1
- Setup new laptops and tablets for faculty and staff
- Verified network and multimedia functionality in classrooms and conference rooms
- Developed a series of web pages using ASP.NET/C#, Sass, and Microsoft SQL to record projector info

IT Helpdesk Intern

May 2015 – August 2015 and June 2016 – August 2016

Axis Communications

- Created and managed user and computer accounts in Active Directory
- Created and managed Microsoft Exchange mailboxes
- Imaged laptops using Microsoft System Center Configuration Manager
- Installed software packages using Microsoft System Center Configuration Manager
- Wrote a series of PowerShell scripts for automating Active Directory tasks

COMPUTER SCIENCE COURSES

- Special Topics: Cloud Computing
- Applied Cryptography and Network Security
- Intro to Data Science
- Intro to Compiler Design
- Database Management Systems
- Intro to Computer Architecture
- Intro to High Performance Computing Systems
- Special Topics: Intro to Computer Vision
- Formal Methods in Computer Science
- Intro to Operating Systems
- Intro to Systems Software
- Computer Organization and Assembly Language
- Algorithm Implementation
- Discrete Structures
- Data Structures
- Intermediate Networking
- Routing Fundamentals

PROJECTS

- Designed a basic two-tier FUSE file system in C that utilized bitmaps for memory management
- Designed replacement functions for the C memory management functions *malloc* and *free*
- Designed a Linux driver for a software character device that outputted the result of six-sided die rolls
- Designed a single cycle processor for a simplified version of MIPS Assembly using a logic simulator

ACTIVITIES AND ACHIEVEMENTS

Dean's Honor List in the Dietrich School of Arts and Sciences, University of Pittsburgh Fall 2013 and Fall 2016

Software Lead, FIRST Robotics, Team 151 – Touch Techs

September 2011 – June 2013