Stephen Brennan

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EDUCATION

CASE WESTERN RESERVE UNIVERSITY
BS/MS in Computer Science
Expected May 2017 | Cleveland, OH
Dean's High Honors (All Semesters)
University Scholar
National Merit Scholar
Cum. GPA: 3.974 / 4.0
Major GPA: 4.0 / 4.0

ST. JOSEPH HIGH SCHOOL
Grad. May 2012 | St. Joseph, MI
National AP Scholar
Cum. GPA: 3.975 / 4.0

COURSEWORK

UPCOMING
Database Systems (Graduate)
Number Theory

COMPLETED
Internet Security
Data Mining
Machine Learning
Advanced Algorithms
Software Engineering
Computer Architecture
Computer Security
Networking
Operating Systems
Theoretical Computer Science

LINKS

Github:// **brenns10**
Bitbucket:// **brenns10**

SKILLS

PROGRAMMING
Very Experienced:
Python • C • C++
Some Experience:
Java • Javascript • C# • Scheme • SQL
Familiar:
Bash • HTML • CSS • PHP • C++/CLI

TECHNOLOGIES
Git • NumPy • Scipy • Pandas • Scikit Learn
• Django • Flask • Windows Installer XML

EXPERIENCE

YELP | Intern, Spam Team
May 2016 – August 2016 | San Francisco, CA
- Improved user security by blocking messages containing dangerous URLs.
- Researched new features for improving URL spam classifications in machine learning classifiers.
- Migrated credit card transaction blocking systems to a service oriented architecture.

CASE WESTERN RESERVE UNIVERSITY | Researcher
May 2014 – September 2015 | Cleveland, OH
- Created a tool that analyzes binary combinations of somatic mutations in cancer patients to discover relationships with various phenotypes.
- Used Python, Pandas, NumPy.
- Applied knowledge of information theory, graph algorithms, and data visualization.

LECO | Intern
May 2013 – August 2013 | St. Joseph, MI
- Applied knowledge of C++, graph traversal algorithms, and parallel computing to develop a feature in production code for the main software product.
- Gained experience writing GPU-accelerated programs in Microsoft C++ AMP.
- Developed Windows Installers for the company's main products.
- Wrote Python build scripts.

GLOBAL MOLD TECH MANAGEMENT | Webmaster
June 2011 – June 2015 | St. Joseph, MI
- Self taught PHP and SQL to build secure upload and download system.
- Researched, selected, and implemented commercial grade solutions for file sharing and email systems.
- Managed file sharing, email, and provided support to employees.

LEADERSHIP

ETA KAPPA NU
President | December 2014 – Present
Webmaster | March 2014 – December 2014
- Created a new website from scratch: **hkn.case.edu**. Implemented a professor-approved online exam archive based on student uploads. Restricted upload and access rights to CWRU students through Central Authentication Service (CAS). Used Python and Django framework.
- Lead study sessions for undergraduate Data Structures and Algorithms classes.

AWARDS & HONORS

2016	Jennings Award for excellence in Computer Engineering and Science
2015	EECS Research Award
2014	Eta Kappa Nu EECS Honor Society
2013	Tau Beta Pi Engineering Honor Society
2012	National Merit Scholar