

# Stephen Brennan

<https://brennan.io> | [stephen@brennan.io](mailto:stephen@brennan.io)

## EDUCATION

### CASE WESTERN RESERVE UNIVERSITY

#### BS IN COMPUTER SCIENCE

May 2017 | Cleveland, OH  
Graduated Summa Cum Laude  
Cum. GPA: 3.97 / 4.0  
Major GPA: 4.0 / 4.0

#### MS IN COMPUTING AND INFORMATION SCIENCE

Expected August 2017

### ST. JOSEPH HIGH SCHOOL

Grad. May 2012 | St. Joseph, MI  
National AP Scholar  
Cum. GPA: 3.98 / 4.0

## COURSEWORK

### COMPLETED

Database Systems (Graduate)  
Number Theory  
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 • Go

Some Experience:

Javascript • C++ • SQL

Familiar:

HTML • CSS • Java • C#

### TECHNOLOGIES

Git • Bash • NumPy • SciPy • Pandas  
• Flask • Linux Kernel • Netlink • Iptables  
• Multipath TCP

## 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 – December 2016

Webmaster | March 2014 – December 2014

- Created a new website from scratch: [hkn.case.edu](http://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

2017	William L. Everitt Award
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