

EDUCATION

Eastern Michigan University
B.S. Computer Science 2017
Minor Mathematics
Departmental GPA: 3.71

EMPLOYMENT

LYONSCG

Application Support Intern

Web development focusing on ecommerce support.
Gained experience in Salesforce Commerce Cloud
Built a front-facing store locator template which will be used on 9 separate sites and can scale to many others.
Completely redesigned a category listing page, product display page, and shopping cart - all on a tight release schedule.

Ann Arbor
Mar 2016 to Present, Mar 2016 to Present

EASTERN MICHIGAN UNIVERSITY - MATH DEPT

Math Tutor

Work in the University's math tutoring center. Help students understand principals of mathematics ranging from Elementary Algebra up through Calculus and more abstract concepts.

Ypsilanti
Jan 2016 to Present

HIGHBIT SECURITY

Penetration Testing Apprentice

Learned the basics of network security, ranging from social engineering to penetration testing.
Participated in penetration testing campaigns for multiple international clients
Wrote first level report which was delivered to each client

Detroit
Jan 2014 to Aug 2015

PROJECTS

VALET

- Written using Python, openCV, bash, JavaScript, and HTML.
- Hack The North 2016 Submission
- Identify and track cars moving into an out of a parking lot
- Uses raspberry pi and webcams as nodes in a sensor network
- Data is interpreted and represented visually on a web page

DIG DEEP

- Written in JavaScript using the ThreeJS WebGL wrapper.
- HackEastern 2015 submission
- 3D dungeon crawler game
- Responsible for the physics engine and the dungeon generation.
- Entire game is hosted on a single page with no back end requirement.

SIMPLECHESS

- Written in Java
- Implementation of a minimax heuristic AI to play a simplified version of chess
- Uses alpha-beta pruning and depth/time limits to keep the run time reasonable

ILLOGICAL

- Written in JavaScript and HTML
- Implementation of a BNF grammar
- Creates a random, simplified logical expression

LEADERSHIP ACTIVITIES

ASSOCIATION OF COMPUTING MACHINERY · Recruitment Officer

Eastern Michigan University's local ACM chapter

SECULAR FREETHINKERS OF EASTERN MICHIGAN · Treasurer

Weekly discussion group.
Topics typically revolve around philosophy and modern events.