

ERIK OCHOA MARTINEZ

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EDUCATION

Bachelor of Science, Computer Science | Astronomy Minor

Expected: May 2020

University of Maryland at College Park

GPA: 3.90

Advanced Cybersecurity Experience for Students (ACES), Honors College

Banneker/Key Full Scholarship

RELEVANT COURSES

- Digital Forensics | Introduction to Computer Systems
- Object-Oriented Programming I | Object-Oriented Programming II
- Foundations in Cybersecurity I | Foundations in Cybersecurity II

SKILLS

- Programming Languages: **Java, C, Ruby, HTML, CSS, Php, SQL**
- Other Technologies: **jQuery, D3, Sass, Django, MATLAB, Wireshark, MySQL, git, Eclipse**
- Spoken Languages: **Spanish, English**

EMPLOYMENT

CyberEdu - University of Maryland

May 2017 – Present

Project Lead

- Leading team of 5 to develop the CyberEdu platform to educate college students about cybersecurity.
- Developed CyberEdu website using JavaScript, jQuery, HTML, and CSS.

Division of Information Technology at University of Maryland

May 2017 – Aug 2017

Intern

- Developed ticketing system for the Division of IT using Django.
- Created data visualization for the ticketing system using D3 JavaScript library.
- Implemented filtering script for the tickets' data using JavaScript.
- Improved user interface using JavaScript, HTML, CSS, and jQuery.
- Developed parsing script that automatically creates tickets based on emails' information using Python.

PROJECTS

High Interaction Honeypot Research

Feb 2017 – May 2017

Team Member

- In a team of 5, we used Bash, HonSSH, and OpenVZ to create 4 honeypots.
- Collected and analyzed intrusion data to determine whether the type of processor (32-bit vs 64-bit) in a machine affects the types of attacks intruders perform when they access a machine.
- Implemented Bash scripts to collect and store data such as malware files that were downloaded onto the machine.

ACES Undergraduate Research

Feb 2017 – May 2017

Research Assistant, Developer

- The goal of the project was to determine users' risk-taking behavior when downloading an application.
- Developed a web application that partially simulates the Apple Store, which would be used to perform the experiment.

ACTIVITIES

ACES Competition Team

Fall 2017

- Learn about cybersecurity tools
- Attend CTF competitions

Bitcamp Hackathon

Spring 2017