Connor Hanify

(206) 495-8898 • connorchanify@gmail.com • 11315 23rd Ave NE, Seattle, WA 98125

EDUCATION

Middlebury College   Middlebury, VT
Major: Computer Science, _Minor:_ Political Science
Honors: Cum Laude (GPA 3.54/4.0); Dean's List 2015, College Scholar 2016
Coding: C, Java, Javascript, React, familiar with HTML/CSS, x86 and ARM32 assembly
Technologies/Environment: UNIX (Linux/FreeBSD), Wireshark, Netcat, Hexdump, GraphQL, Git, MariaDB (MySQL), GNU make
Selected Coursework: Data Structures, Algorithms and Complexity, Systems Programming, Networks, Systems Security, Operating Systems, Linear Algebra
Language Skills: Proficient in oral and written Spanish

WORK EXPERIENCE

Aon Cyber Solutions   Seattle, WA
Cyber Associate   August 2019 – Present
- Part of a nine month rotational program in Digital Forensics, Incident Response, Proactive Advisory, and Penetration Testing

Bean Box   Seattle, WA
Android Development Intern | Android Studio, Javascript, Java, Github   June – August, 2019
- Ported an iOS mobile application to Android and wrote custom Java plugins for the new app.
- Released the app to Google Play Store.

Kanaan Consulting, Inc.   (Remote) Cambridge, MA
Software Development Intern | React, React Native, Apollo GraphQL, MariaDB, Node.js, Webpack, Docker   June – August, 2018
- Gained full-stack development experience working on web and mobile applications for a container truck appointment scheduling system

Seattle Cascades   Seattle, WA
Marketing Intern   June – August, 2017
- Designed a detailed sponsorship package and oversaw its distribution to other businesses

PROJECTS

Endeavor – A Job Application Tracker | _React, Firebase_
- Built a web application to streamline and organize the job application process using React and firebase. Deployed the app on Heroku at https://endeavorapp.herokuapp.com/

Systems Programming and Networks Projects | _C, Git, Arch Linux, FreeBSD, Wireshark, Netcat, make, gdb, gcc_
- Rewrote C standard I/O library to optimize for the inefficiencies of system calls
- Implemented a new system call and added it to the FreeBSD kernel
- Implemented a TCP/IP and UDP networking stack in C to successfully route datagrams and packets

Computer Security | _C, Wireshark, Netcat, Hexdump, gdb, make_
- Executed a buffer overflow attack on a vulnerable C program in a virtual machine running Arch Linux
- Exploited a (previously discovered) security vulnerability in Libpng and then successfully patched the buggy code
- Tested and exploited the OpenSSL Heartbleed vulnerability

Personal Website | _React, Reactstrap_
- Created a personal website to learn new front-end technologies. Visit at https://chanify.netlify.com

LEADERSHIP EXPERIENCE

Middlebury Computer Science Student Advisory Committee (SAC)   Middlebury, VT
Elected Member   December 2016 – February 2019
- Assisted in the evaluation of candidates for faculty positions in the computer science department

Middlebury Men's Ultimate Frisbee Team   Middlebury, VT
Elected Captain and President   September 2017 – May 2018
- Organized practices, tournaments, and events for the Men's team during the Fall and Spring seasons and managed a budget of $8,000

Middle Endian Computer Science Club   Middlebury, VT
Board Member   September 2017 – May 2018
- Organized activities for the Middlebury computer science community, including Hackathons and technical workshops