Brendan Lucich

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Date available to begin work: May 2022 Full-Time

SUMMARY STATEMENT

A senior studying Computer Science at the University of Alabama pursuing a full-time position in cybersecurity, software engineering, or information technology. CyberCorps Scholarship for Service recipient committed to a career in public service post-graduation.

PROFESSIONAL SKILLS

Education	Bachelor of Science in Computer Science from The University of Alabama coupled with a minor in Mathematics.
Employment	My adaptability, initiative and communication all contribute to the continuing success of my employer. Technically competent with robust cybersecurity, machine learning, project management, and product development skills.
Personal	Strong integrity with a team-oriented approach. Continuously determined to achieve goals and exceed expectations.

PROFESSIONAL WORK EXPERIENCEs

Computer Scientist Intern, May 2021 – August 2021
U.S. Department of Transportation - Volpe Center (V311), Cambridge, MA
Salary: $35,097 per year | GS 4
Job Type: 40 hours per week, Full-Time

Developed natural language processing (NLP) machine learning models for 1.7 million Vehicle Owner Questionnaire Forms to identify potential hazards more efficiently for motorists. Performed quality assurance (QA) testing on the Advanced Driver-Assistance Systems (ADAS) Crash webform, created Jira tickets for discovered bugs, and peer reviewed other developer tickets. Data labeled 100,000 pictures to be used to train a machine learning model to detect railroad trespasses for the Federal Railroad Administration (FRA). Shadowed a I.T. project manager during developing an enterprise application and preparing for a technical transition at the end of the fiscal year.

Network Intrusion Lab Intern/Research Assistant, January 2020 – December 2020
Joint Electronic Crimes Task Force, Tuscaloosa, AL
Salary: $0 per year
Job Type: 15 hours per week, Part-Time

Built tools to monitor and analyze the criminality of darkweb network traffic by developing TOR web crawlers and parsers using Python. Used open-source intelligence tools (OSINT) to aid Dr. Dolliver's team in assisting law enforcement agencies with requests for information. Analyzed over 500,000 data entries from a TOR exit node using Wireshark to gather the data and SQL to query results. Used NMAP as a network security scanner and port scanner for network analysis and penetration testing. Produced intelligence reports for Dr. Dolliver's team with pertinent information that was disseminated to the requesting law enforcement agency. Analyzed strength of passwords and decrypting times through HASHCAT.

OTHER WORK EXPERIENCE
Resident Advisor, August 2019–Present
The University of Alabama, Tuscaloosa, AL
Salary: $225 per month
Job Type: 10 hours per week, Full-Time

Serve as a university resource for over 1000 students living in various residence halls across campus. Provide after hours on-call and crisis response services within the housing community. Responsible for creating an inclusive and safe environment for residents. 2020 Resident Advisor of the Year.

National Intercollegiate Soccer Officials Association (NISOA), March 2020– Present
Atlanta, GA
Salary: TBD
Job Type: TBD

Officiate college soccer matches throughout the South-East. Receive in-depth training to develop mental and physical capacity to officiate at the highest level among the top skilled collegiate and professional athletes in the world.

Teaching Assistant, January 2019– May 2020
The University of Alabama, Tuscaloosa, AL
Salary: $10 per hour
Job Type: 10 hours per week, Full-Time

Assisted faculty in grading exams and homework. Proctored exams, demonstrated labs, and created weekly assessments. Repaired and inventoried lab equipment. Course: Foundations of Engineering 103

EDUCATION

Bachelor of Science in Computer Science, May 2022 Expected Graduation Date
The University of Alabama, Tuscaloosa, AL, GPA 3.5
> **Relevant Coursework:** C; C++; Data Structures and Algorithms; Databases; Network Security; Cryptography; Behavioral Cyber Security; Software Design and Engineering; Cyber Law and Ethics; Microcomputers; Digital Logic; Digital Forensics; Discrete Mathematics 1 & 2; Calculus 1, 2, & 3; Physics 1 & 2

TECHNICAL SKILLS

Programming Languages/Frameworks: Python, C++, C, Node.js, React, Angular, SQL

Security: OSINT, Penetration Testing, Information Retrieval, HASHCAT, NMAP, Wireshark

Operating Systems: UNIX, Linux, MacOS

Software: Visual Studio Code, Confluence, Jira, Anaconda, Amazon Web Services (Lambdas, Cloud Watch, EC2, S3, AMI), Anaconda, IntelliJ Idea (including unit testing), PyCharm Edu

CERTIFICATIONS/ACHIEVEMENTS

CompTIA Security+ Certification (Pursuing), April 2022

CompTIA Network+ Certification (Pursuing), April 2022

CyberCorps Scholarship for Service (SFS), 2020-2022
The University of Alabama, Tuscaloosa, AL

UA Dean's List, Fall 2018, Spring 2019, Spring 2020, Spring 2021
The University of Alabama, Tuscaloosa, AL

Resident Advisor of the Year, April 2020
The University of Alabama, Tuscaloosa, AL

Foundation in Excellence Scholarship, 2018-2022
The University of Alabama, Tuscaloosa, AL

TRAINING

Darknet, Cryptocurrency, and Open-Source Intelligence, October 2020: 16 hours
Redstone Arsenal, Huntsville, AL

Darknet, Cryptocurrency, and Open-Source Intelligence, October 2020: 16 hours
Joint Electronic Crimes Task Force, Tuscaloosa, AL

VOLUNTEER EXPERIENCE / COMMUNITY SERVICE / CLUBS

Tuscaloosa Kid's Club, August 2018-Present
Tuscaloosa, AL
Volunteer at a local recreation center to mentor at-risk teens.

Crimson Defense, August 2018-Present
Tuscaloosa, AL
Professional cybersecurity club focused on developing cybersecurity related technical skills.

Association of Computing Machinery (ACM), August 2018-Present
Tuscaloosa, AL
Computer Science club focused on professional development.