William **Johnson**

☐ (+1) 865-228-7668 | ✉ wnjohnson1997@gmail.com | ⌂ willnjohnson.github.io/ | in wnj

Objective

I am a 2023 graduate student with a Bachelor of Science degree in Computer Science and a minor in Cybersecurity seeking hands-on experience in the tech industry. I am strongly passionate in various topics in computer science, especially in software and cybersecurity.

I look forward to collaborating with seasoned developers to further sharpen interdisciplinary skills in the domain, as well as improve leadership and communication skills. I am committed to being a team player and helping my colleagues succeed, including working diligently to achieve both short-term and long-term goals. Additionally, I seek to leverage my knowledge of core software engineering, web development, programming, & blockchain technologies.

Work Experience

University of Tennessee *Knoxville, TN*
UNDERGRADUATE RESEARCH ASSISTANT *January 2023*

- Conducted investigation into stability of altcoins and measured differences between altcoins and established coins using various statistical approaches.
- Created peak-finding algorithm on historical data regarding coin volume, web scraping techniques to gather repository links from CoinMarketCap and Bitcointalk, and tools to compare file differences of altcoins and parent coins.
- Organized research findings in a Notion notebook and attended regular weekly meetings.
- Worked alongside a graduate research assistant to develop skills and insight into research project.

Education

University of Tennessee *Knoxville, TN*
B.S. IN COMPUTER SCIENCE *Summa Cum Laude, May 2023*

- Pursued major in Computer Science, B.S. with minor in Cybersecurity
- Relevant major coursework: Software Engineering, Data Structures & Algorithms II, Discrete Structures, Systems Programming, Algorithm Analysis & Automata, and Parallel Programming
- Relevant minor coursework: Applied Cryptography, Cyber-Physical Systems Security, Human Factors in Cybersecurity, Software Security, Network Security

Pellissippi State Community College *Knoxville, TN*
A.S. IN GENERAL ASSOCIATE OF SCIENCE *Summa Cum Laude, May 2018*

- Completed coursework: Introduction to Computer Science, Data Structures & Algorithms I, and Computer Organization & Architecture
- Related Studies: Physics for Engineers I & II, Calculus I & II, and Linear Algebra

Communication Skills

Active Listening	Took notes during weekly meetings and presented ideas during active team discussions.
Interpersonal Communication	Provided substantial positive feedback to colleagues' tasks.
Organization and Timekeeping	Managed tasks in Kanban-style workflow in various software tools such as Jira and Asana.
	Updated Gantt chart on a weekly basis to reflect each team members' tasks.
	Worked continuously toward a long-term goal in a two-semester project among a team of 6 members.
Collaboration	Utilized software such as Zoom, Discord, and Slack to effectively discuss and demonstrate parts of the project.

Programming Languages & Tools

Proficient	Python 3, C++, C, HTML, JavaScript, CSS
Moderate	ReactJS, Node.js, TypeScript, React Native, Redux, GraphQL, Express, MongoDB, PyQt, Java, C#, MATLAB, Git
Novice	Solidity, Azure, Redis, Cosmos DB, SQL Server, Docker Container, Shell Script

Related Experience

Web Development
Knoxville, TN

REACTJS, REDUX, NODEJS, MONGODB
June 2018

- Applied modern ES6 Javascript specification to various pet projects to meet requirements of relevant, robust web apps
- Applied Redux middleware to manage state in React apps
- Used tools such as Mocha to run test cases to analyze correctness of software

Mobile Development
Knoxville, TN

REACT NATIVE, IONIC FRAMEWORK, EXPO GO
March 2019

- Applied ReactJS skills to help elevate familiarity in React Native
- Gained familiarity with widgets available in the React Native framework to create projects such as a sticky note app
- Tested mobile software projects using developer tools such as Ionic and Expo

Blockchain Technologies
Knoxville, TN

REACTJS, SOLIDITY
June 2019

- Applied smart contracts and tools relevant to Ethereum blockchain for ReactJS web apps
- Tested blockchain web apps using tools such as MetaMask

Data Science
Knoxville, TN

PYTHON
August 2022

- Expanded and leveraged machine learning knowledge regarding spiking neural networks, convolutional neural networks, and reinforcement learning
- Utilized Pandas, Numpy, BeautifulSoup, and Matplotlib for data collection and statistical analysis
- Performed training and testing and used a simulator to visualize results

Awards & Recognition

2023 Volunteer of Distinction Award
Knoxville, TN

UNIVERSITY OF TENNESSEE, KNOXVILLE
April 2023

- The Volunteer of Distinction Award is honored to students that have exhibited extraordinary academic achievement.

UTK Dean's List
Knoxville, TN

UNIVERSITY OF TENNESSEE, KNOXVILLE
2021 - present

- Consistently placed onto the Dean's List for each semester starting in Spring 2021.

2018 Outstanding Graduate Award
Knoxville, TN

PELLISSIPPI STATE COMMUNITY COLLEGE
2018

- Award for graduating student that have displayed academic excellence.

PSCC Dean's List
Knoxville, TN

PELLISSIPPI STATE COMMUNITY COLLEGE
2015 - 2018

- Consistently placed onto the Dean's List for each semester starting in Fall 2015.