Joshua Kearney Wright

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The University of Tennessee, Knoxville, Tickle College of Engineering   Knoxville, Tennessee
Bachelor of Science in **Computer Science** and **Applied Mathematics**   Graduation: May 2023
Year: Senior   GPA: 3.90

Relevant Coursework: Operating Systems, Systems Programming, Intro to Cybersecurity, Software Engineering, Intro to Scientific Computing, Data Structures & Algorithms I/II, Programming Languages, Matrix Algebra I, Abstract Mathematics

Professional Experience

Cisco Systems - Internship   Raleigh, NC
Technical Undergraduate Intern   May 2022 - August 2022
- Implemented **automated daily sanity testing** system for one of Cisco's **Spitfire** routers
  - **Reduced** 30 minute long nightly **configuration time** to single UI start point that sends results to the whole team every morning
- **Updated** Cisco's asr9k **critical infrastructure** test scripts to work on Cisco's 8000 Series routers utilizing Cisco's **pyATS** python library

Pilot Company - Internship   Knoxville, TN
Software Development Intern   May 2021 - May 2022
- Worked on a **Full Stack DevOps** team to design, create, and implement innovative solutions for critical company applications
- Utilized the **ASP.Net MVC4** Design pattern using **C#**, **SQL**, **HTML**, **CSS**, and **Javascript**
- Became well practiced in the **SOLID Principles** of C#, Test Driven Development, the Data Access Object Experience, and object-oriented design
- Projects Include:
  - **Building Two New Web Pages** including both data access functionality and the UI to create, edit, and delete sets of suppliers
    - **Reduced input time** for invoice management team by ~5-10 times
  - **Building an API** for database queries, parse / build XML files, and display info in the UI

Leadership

Eagle Scout, Boy Scouts of America   Nashville, TN
Senior Patrol Leader   June 2017 - June 2018
- Planned and lead trips, meetings, camps, instructional classes, and service projects

University of Tennessee Knoxville - Toastmasters Club Officer   Knoxville, TN
Sergeant at Arms   December 2019 - December 2020
- Handled club materials, logistics, and helped others with speeches

Projects

- **Personal Website**
  - Used **React** library to build my multi-page personal website
    - **Features**: mobile & desktop functionality, interactive **Sudoku board generator / solver**, time-based display change, resume download

Technical Skills: Python, C, C++, Java, git, *nix, C#, SQL, HTML, CSS, Javascript, React, ASP.NET
Soft Skills: Writing, Communication, Problem Solving, Public Speaking