KENNETH KING

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EXPERIENCE

Graduate Teaching Assistant | Virginia Tech, Blacksburg, VA, USA | August 2022 - Present
- Teaching cybersecurity concepts to undergraduate students at Virginia Tech
- Creating lessons teaching Linux, Operating Systems, Virtual Machines, and Docker

Graduate Research Assistant | Virginia Military Institute, Lexington, VA, USA (Hybrid) | January 2022 - Present
- Developing a NextG wireless communication virtual reality training platform where users can interact with and deploy end-to-end 4G LTE networks in the real world
- Work with software-defined radios, srsRAN, Linux, Python, C#, Unity, and Oculus Quest 2

Software Development Engineer Intern | Amazon AWS, Arlington, VA, USA (Remote) | June 2022 - August 2022
- Developed experimental tools for one of the machine learning products under AWS AI using JavaScript
- Using Python and JavaScript, built an initial prototype for a novel machine learning application that my team will continue to develop beyond my time at AWS
- Contributed code to production, exceeding my team's expectations for their interns

Startup Technical Leader | Vector Rideshare, Chapel Hill, NC, USA (Remote) | February 2020 - September 2021
- Led the development of products that won the company key contracts with top U.S. universities
- Worked in a versatile environment, responsible for recruiting, interviewing, teaching, and leading a software team of over 20 undergraduates students from across the United States

Full Stack Intern | Simon Computing, Arlington, VA, USA (Remote) | June 2020 - July 2020
- Designed, tested, deployed, and maintained a React npm library that simplifies the form-building process
- Wrote comprehensive unit and functional tests for the library using Jest and Selenium
- Gained experience programming in JavaScript and practicing Agile methodologies on a team team

Undergraduate Research Assistant | Virginia Tech, Blacksburg, VA, USA (Hybrid) | January 2020 - May 2020
- Contributed to the development of a novel open-source wireless communication system
- Using the Google Cloud platform, integrated Google Map APIs with an Angular application

EDUCATION

Master of Science in Computer Science | Virginia Tech, Blacksburg VA, USA | January 2022 - December 2023
- Researching the intersection of cybersecurity and extended reality (3.85 GPA)

Bachelor of Science in Computer Science | Virginia Tech, Blacksburg VA, USA | June 2018 - May 2021
- Graduated a year early with Magna Cum Laude honors, making the Dean's List every semester (3.71 GPA)
- Participated in college athletics freshman year as a Division 1 varsity football player for the university

SOFTWARE DEVELOPMENT SKILLS

Technologies: React, Angular, Next.JS, Node.JS, SQL, Unity, Docker, Virtual Machines, Git, Jest, Selenium, Figma
Languages: Python, C, C++, C#, Java, JavaScript, TypeScript, HTML, CSS
Other: Cybersecurity, Agile, Web Application Development, Data Structures, Algorithms, distributed systems, Unix/Linux environments, machine learning, natural language processing, networking

NOTABLE ACHIEVEMENTS

- **Valedictorian (ranked #1 out of 400+ students) | Patrick Henry High School | May 2018**
- **National Science Fair Nominee | American Junior Academy of Science | April 2018**
- **Eagle Scout | Boy Scouts of America | October 2015**