Alecxander T. McCue

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EDUCATION

University of Virginia   Charlottesville, VA
Bachelor of Science in Computer Science   Expected Graduation Spring 2025
- o GPA: 3.43
- o Dean's List: Spring 2022, Fall 2022
- o Relevant Coursework:
    - o Data Structures and Algorithms (Java): Stacks, Queues, Trees, Hash Tables, Priority Queues, Concurrency, Merge sort, Quicksort
    - o Computer Systems & Operations: x86-64 Assembly. C – Stack, Pointers, Structs, Malloc & Free

Northern Virginia Community College   Annandale, VA
Pathway Program with Westfield High School

- o ITN257: Cloud Computing: Infrastructure and Services (AWS)
    - o Launched EC2 Web Servers; Launched Public and Private Subnets; Used other AWS services like EBS and RDS

WORK EXPERIENCE

Full Stack Web Application Developer Intern   Chantilly, VA
Blue Ridge Dynamics   Summer 2022

- o Created a new project tying a web app side into a chrome extension using Vue.js, developed solely by the interns
    - o Experienced building out the project setup and core components of a brand-new project
    - o The chrome plugin would allow toggling in the chrome browser bookmarks bar, and the webapp could be used to organize the bookmarks and control the data being sent to the chrome plugin
    - o Used Firebase, a NoSQL database, to store data and implement user authentication
    - o Developed a two-way draggable file tree and folder/link view page using custom HTML drag events that would automatically update the lists as drags occur. This feature was essential to the functionality of the web app
- o Debugging and small feature tickets on the company's contracted projects
- o Used SQL databases to fetch and filter data based on certain criteria
- o Worked alongside the UI/UX team and QA team as a developer to witness the full software development life cycle

Front-end Web Application Developer Intern   Remote
Torch.AI   Summer 2021

- o Improved and innovated new features on customer product front-end using React.JS
- o Implement the user-interface utilizing the Material-UI library, a React component library, to create visually pleasing and functional webpages
- o Became fully integrated as a part of the front-end team, as the back-end team would discuss with me new features to develop
- o Gained experience in the SCRUM framework environment using Azure DevOps

TECHNICAL SKILLS

- o Languages: Java, C, Vue.js, React.js, JavaScript, HTML, CSS, SQL, NoSQL
- o Developer Tools: Node.js, Git, Firebase, AWS, Knex.js query builder, Gitlab, Azure DevOps

AWARDS / HONORS

CEO Recognition Award - 2021 Nexus Console:

- o Awarded to those who display hard work, gumption, and technical ingenuity in delivering a Torch.AI mission, "Summer of Love"

2020 Quarter Zero Cup Finalists

- o The QØ Cup is a virtual entrepreneurship competition for students around the country looking to power the potential of youth. The competition goal was to build a business idea from the ground up