Ethan Smith

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Portfolio | GitHub | LinkedIn

Introduction

A sophomore pursuing a Bachelor's Degree in Computer Science at the University of Florida with a passion for computer science. I enjoy working in environments that allow me to apply principles related to information technologies, which apply the principles of computer software, hardware, and system design.

Skills

Languages: HTML, CSS, JavaScript, TypeScript, C, Python, Java
Frameworks: Node.js, Nuxt.js, Electron, Vue.js
Services: AWS Console, AutoCAD, VMWare ESXi
Workflow: Figma, Adobe XD, Photoshop, Linux, Git, RESTful, GraphQL
Proficiencies: Windows Server, Linux, System Administration, Web Crawling, Web3 Scraping, Virtual Reality, Web3, JAMStack, Virtualization

Work Experience

University of Florida   (August 2022 – Present)
Undergraduate Researcher (REU Scholar, supervised by Dr. Eakta Jain)
- Collaborating with UF Transportation Institute in order to carry out a study related to the perception of eye tracking devices by transit drivers.
- Participated in a project titled "Personal space bubbles for safety and performance"
- Worked alongside a team to test the performance of different personal space bubbles in virtual reality
- Recruited and scheduled participants to run through tests
- Gained experience working Oculus hardware and software
- Ran demonstrations to researchers using PupilLabs and SensoMotoric eye tracking software and hardware.

A Hidden Society LLC & MetaSniper   (December 2021 – January 2023)
Full-Stack Developer
- Designed and built a live feed system used to monitor transactions on the Ethereum Blockchain using Vue.js, and Tailwind CSS, as well as implemented an authentication system using Web3.
- Designed user interface for enterprise automated NFT software used to act as an exchange and transaction log.
- Building cross-platform desktop applications using both Electron and Vue.js frameworks.

Alqen LLC   (August 2020 – Present)
Lead Frontend Developer
- Automated the order creation process throughout the application; from procurement to label generation until order fulfillment.
- Bridged the gap between the backend development team and business teams. Additionally developed the user interface utilizing Vue.js.
- Contributions to the backend by expanding on services, queues and frontend interaction with a number of AWS services such as SQS, S3 and EC2.
- Assisted in the creation of the automatic management of the E-commence stores, by automation of procurement to fulfillment. Utilized modern technologies, AI and modern frontend tooling to provide a seamless user experience.

Necton LLC   (August 2015 – Present)
Freelance Developer & Owner
- Designed modern and innovative user interfaces for mobile, web, and desktop applications using tools such as Figma, Adobe Experience Design, and Adobe Photoshop.
- Developed a solid understanding of using JavaScript to develop web-based applications.
- Utilized modern frameworks such as Vue and React.
- Developed an understanding of REST and how to integrate front-end applications with back-end APIs.

Project WiFi ™   (August 2019 – November 2020)
Front-end Developer
- Worked alongside UI/UX designers to serve as a liaison between the C-suite to develop a perfect solution for their customers.
- Facilitated a full transition from a solution built as a Laravel monolith to a more modular solution built with Nuxt.js.
- Worked with a team of user experience designers, and back-end developers to improve a CRM solution in order to manage and maintain Amazon seller stores.

Boy Scouts of America   (January 2014 – Present)
Eagle Scout, Troop 225
- Lead a team of scouts in building 3 computers to be used to run Microsoft Flight Simulator.
- Held leadership roles such as Webmaster, Patrol Leader, and Troop Guide as well as served as a leader on national and international trips.

City of Orlando   (May 2019 – August 2019)
IT Volunteer
Participated in a volunteer program shadowing and working with information technology employees at the City of Orlando. Assisted and gained knowledge in the following areas:
- Installation of Cisco Networking Equipment
- Developed an understanding of setting up Cisco routers and switches
- Gained knowledge about managing large infrastructures of network equipment at an enterprise level

Education

The University of Florida   (June 2022 – June 2026)
Bachelor of Science in Computer Science
Related Coursework
- EGN4932 – Introduction to Computing
- EGN1935 – Freshman Engineering
- COP3502 - Programming Fundamentals I
- EGN4932 - Undergraduate Research

Valencia College Dual Enrollment   (August 2018 – May 2022)
Related Coursework
- COP2800C - Java Programming
- COP1000C - Intro to Programming Concepts
- ETD1103C - Engineering Graphics with CAD
- CTS1131C – Computer Maintenance Essentials

Ocoee High School   (August 2018 – May 2022)
- 4.9 GPA, District Super Scholar
- Dual Enrollment (60 credits)

- Wrestling Team Captain (3x Regional Qualifier and Conference Champion)
- Scholar-Athlete of the Year
- Silent Servant Award
- Student Government Association
- National Honor Society