

CURTIS STUTSMAN

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EDUCATION

University of Illinois Urbana-Champaign

Expected Graduation: May 2025

Grainger College of Engineering, Major: Computer Engineering

GPA 3.96

- James Scholar, Tau Beta Pi Engineering Honor Society, Eta Kappa Nu Honor Society, Phi Eta Sigma Honor Society

SKILLS

Programming Languages: C, C++, C#, Python, HTML, CSS, JavaScript, SQL, Bash, SystemVerilog

Frameworks: React.js, ASP.NET Core

Experience in: Data Structures, Algorithms, Linux/Unix, API, Web & App Development, Git, Shell Scripting, Databases, Cloud Computing, FPGA, RTL Design, Digital & Analog Signal Processing

Technologies: GitHub, VS & VS Code, Azure DevOps, GitKraken, SSMS, Swagger, Docker, Kubernetes, Xilinx Vivado & Vitis, GitLab, Arduino, AWS

PROFESSIONAL EXPERIENCE

Rivian Automotive, LLC

Champaign, IL

Special Projects Intern (Software)

September 2023-Present

- Implemented regression methodology within project infrastructure to maximize consistency and ease of use between tool flows, enable a variety of use methods, and separate design data from implementation.
- Ensured proper tracking of key tool flow metrics by creating Python scripts to extract, parse, and store job data all in an AWS environment
- Developed an API extraction layer for saving, querying, and displaying of data gathered from tool runs

NISA Investment Advisors, LLC

St. Louis, MO

Software Development Intern

June-August 2023

- Developed and maintained a variety of React and ASP internal web applications written in C# and JavaScript
- Created and expanded upon APIs for interface between company applications and both internal and third party databases
- Produced effective software solutions to business-side problems and incidents on front end and back end

Cyber Alarm

Champaign, IL

Engineering Consultant/Intern

January-May 2022

- Conducted market research in the industry of personal cyber security and analyzed said research to formulate a strategy for Cyber Alarm's entrance into US domestic markets
- Fostered company development and clientele base building, ultimately leading to the promising of over 60,000 new customers for Cyber Alarm via a third party partner

PROJECTS

Live Album Art LED Display

June-August 2023

- Used arduino technology along with ESP32 Wifi microcontroller to source and parse pixel data from the user's Spotify account via Spotify API and displayed album cover of song currently playing on a 64x64 LED board

Personal Portfolio Website

July 2023

- Designed and coded front end application to display personal experience, skills, and accomplishments all hosted on Github pages (link at top of page)

LEADERSHIP

Zeta Beta Tau Fraternity

Champaign, IL

Programming Director

September 2021 - Present

- Managed \$60,000 yearly fraternity budget and oversaw allocations across a variety of social and philanthropic events
- Coordinated and organized large scale campus events involving multiple stakeholders while acting as the primary chapter representative (150+ members)