Zachary Beucler (He/Him)

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EDUCATION

Connecticut College, New London, Connecticut   **BA in Computer Science, May 2022**

Courses Include: Computer Vision, Artificial Intelligence, Computational Intelligence, Algorithms
Data Structures, Mobile App Development, Web Technologies, Software Engineering, Computer Networks, Introduction to Cybersecurity, Advanced Regression Techniques, Virtual Environments and Graphics

Honors / Awards: Dean's High Honors List Fall 2021, Dean's Honors List Spring 2021, 2019 NESCAC All-Sportsmanship Team, 2018 Kristin Kearins Memorial Scholarship recipient

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CODING LANGUAGES AND SOFTWARE

Fluent in: Javascript, Python, Matlab, HTML5, CSS, Node.js, React.js, React Native
Experience with: Java, Bash, Scheme, R, Git and Github, Excel, Latex, Unix, MacOS, WordPress

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WORK EXPERIENCE

Software Development Intern, *FieldNav,* Remote   Jun 2021 - Aug 2021
- Developed a low-code (or WYSIWYG) application for building forms using React.js and Firebase. Also created a mobile app to view and complete those forms using React Native including offline support
- Met with the CTO and Product Manager weekly to report progress and discuss next steps
- Dockersized the low-code form builder so my coworkers could still use the application in the future
- Presented the finished product to the CEO and other executives at the conclusion of my internship

Web Development and Design Intern, *RevoluSun,* Massachusetts   May 2021 - Jun 2021
- Overhauled the company's WordPress website to focus on SEO and performance
- Redesigned the Careers page with a focus on responsiveness, accessibility, and SEO
- Decreased the average load time on 18+ pages on the mobile client by 1.13 seconds and 0.4 seconds on the desktop client
- Developed an application using Puppeteer and Node.js to find every broken link on the site, and report their location

IT Intern, *Lyniate,* Remote   Dec 2020 - Jan 2021
- Collaborated with the IT and HR teams to develop an application for onboarding new employees using Microsoft Power Apps, Sharepoint, and Microsoft Power Automate
- Reported directly to IT Director daily to discuss current progress, next steps, and any additional requirements
- Delivered the application on time and under budget

ACADEMIC PROJECTS

'Predicting Red Light Runners with Computer Vision', Researcher   Dec. 2022 - present
- Creating an application to predict vehicles running red lights at intersections using computer vision
- Project is currently in progress

'Sanitizing Computer workstations using Computer vision and UV-C light', Coresearcher   Jan 2021 - Dec 2021
- Implemented an automated system to detect when a workstation was being used using real-time object recognition, and then sanitize the keyboard and mouse of that workstation when the occupant has left
- System can work for a single computer work for multiple workstations simultaneously and seamlessly

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EXTRACURRICULARS

Connecticut College Men's Varsity Swim Team, Distance Freestyler   2018 - 2022
- Four year varsity athlete
- Nominated to the 2019 NESCAC All-Sportsmanship Team

Andover Public High School Men's Varsity Swim Team, Captain   2014 - 2018
- Four year varsity athlete
- Recipient of the Coaches award as a Sophomore and named the program's Rookie of the year as a Freshman
- Nominated to the ALL CONFERENCE Team for the Merrimack Valley Conference during my Freshman and Sophomore years
- Selected as a Boston Globe Merrimack Valley Conference All-Star during my Freshman and Sophomore years