David Cruz

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ   Expected May 2024

Bachelor of Science in Computer Science

- **GPA:** 3.975
- **Awards:** Dean's List (2020F – 2023S), Edwin A. Stevens Scholarship, Chi Psi Centennial Scholarship
- **Activities:** Chi Psi Fraternity, Upsilon Pi Epsilon (Computing and Information International Honor Society)
- **Relevant Coursework:** Web Programming I & II, Human-Computer Interaction, Database Management Systems, Object-Oriented Design & Analysis, Agile Methods for Software Development, Software Development Process, Linear Algebra, Intermediate Statistics, Systems Programming, Computer Architecture and Organization, Principles of Programming Languages, Theory of Computation, Discrete Structures, Algorithms, Data structures

WORK EXPERIENCE

Stevens Institute of Technology | Hoboken, NJ   Fall 2021, Fall 2022, Fall 2023

"Introduction to Scientific Computing" Course Assistant for Professor Edward Banduk

- Presided weekly lab sections for students to reinforce basic computing concepts and Python programming skills.
- Performed walkthroughs of coding exercises for students to demonstrate basic programming techniques.

Stevens Institute of Technology | Hoboken, NJ   Spring 2022, Spring 2023

"Computer Organization and Programming" Course Assistant for Professor Edward Banduk

- Evaluated student submissions for assignments related to computer architecture and low-level programming.
- Managed course materials, assignments postings, and student grades on Canvas.

Stevens Institute of Technology | Hoboken, NJ   Fall 2023

"Security, Privacy and Society" Course Assistant for Abrar Alrumayh

- Monitored weekly lab sections for students to assess the class on various security and privacy topics via quizzes.
- Conducted weekly office hours to aid students with conceptual, assignment, and/or logistical questions.

Stevens Institute of Technology | Hoboken, NJ   Spring 2023

"Data Structures" Course Assistant for Professor Abrar Alrumayh

- Administered weekly recitations for students to reinforce data structure concepts and Java programming skills.
- Appraised assignment submissions by implementing and executing JUnit tests.

LEADERSHIP POSITIONS

Chi Psi Fraternity | Stevens Institute of Technology   Spring 2023

Social Chair

- Allocated a $5000+ budget for a semester to ensure proper spending for social events.
- Planned 15+ events to establish campus presence and quality relations with other on-campus organizations.
- Overlooked 20+ individuals to ensure the completion of tasks before, during, and after each event.

PROJECTS

[GenEdUSA Website](#) | Commissioned by GenEdUSA   Fall 2023

A storefront website to showcase GenEdUSA's services and contacts

- Developed using NextJS as the webserver, React as the frontend, and TailwindCSS + NextUI for styling.
- Deployed using CI/CD through Github and serverless hosting on Vercel.

[CSView](#) | Personal Project   Summer 2023

A webapp with an assortment of tools for Counter-Strike Enthusiasts

- Developed using NextJS as the webserver, React as the frontend, and Puppeteer for web scraping the site's content.
- Deployed by "Dockerizing" the site and hosting it on Oracle Cloud Infrastructure and hosting Browserless as a remote headless browser on Google Cloud Run.

[CoinWizard](#) | Personal Project   Summer 2023

A webapp with an assortment of basic Cryptocurrency related tools

- Developed using NextJS as the webserver, React as the frontend, and data fetching using Axios with various APIs.
- Deployed using CI/CD through Github and serverless hosting on Vercel.

[BIS](#) | Stevens Institute of Technology   Spring 2023

An Inventory Management System webapp developed for Patrick Hill's Web Programming I Course

- Developed using Express as the webserver, Handlebars for server-side rendering, and MongoDB for the database.
- Deployed by "Dockerizing" the site and hosting it on Google Cloud Run and Mongo Atlas for the database.

SKILLS

Programming Languages: Javascript, Python, Typescript, HTML, CSS, Java, C, C++, Bash, Erlang, Ocaml, Promela, Groovy, ARMv8, Racket

Development Tools, Frameworks, & Libraries: NodeJS, Express, Handlebars, NextJS, Vite, React, NextUI, Bootstrap, React-Bootstrap, Three, React-Three-Fiber, Recharts, JQuery, Axios, AJAX, Puppeteer, Bcrypt, Marked, XSS, Multer, PyQt5, Cypress, JUnit

Data/Database Tools & APIs: JSON, MongoDB, Firebase, MySql, Google Maps API, Cryptocompare API, Blockchain API, Etherscan API

Deployment/Cloud Tools: Vercel, Oracle Cloud Infrastructure, Google Cloud Platform, Mongo Atlas, Amazon Web Services, Cloudflare, GitHub Pages, Docker, Docker-Compose, Browserless

Technical Software & Tools: Visual Studio Code, Windows, Linux, Git, Eclipse, VirtualBox, Mathematica, R-Studio, Valgrind, GDB

Professional Software: MS Office (Teams, Excel, Outlook, Word, Powerpoint), Google Suite (Drive, Docs, Sheets, Gmail), Zoom, Workday, Canvas

U.S Citizen | Ready to work in May 2024