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ERIC SHOCH

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EDUCATION

The Pennsylvania State University   **University Park, PA**
College of Engineering | B.S. in Computer Science   *Class of May 2025*
                                                                                                Dean's List 3/3

EXPERIENCE

Applied Cognitive Science Lab   **State College, PA**
Research Developer   *Dec. 2022 – Present*
- Operate as the lead undergraduate in rewriting the backend of a tutoring service with Ruby and Ruby on Rails.
- Utilize Docker for containerization to allow for easy deployment and scalability in all environments.
- Perform server maintenance and fix outages when they occur.
- Utilize bash commands and the TMUX tool for creating terminal work sessions.
- Document processes and troubleshooting to make onboarding and setup more streamlined.

Google Student Developer Club   **State College, PA**
Executive Lead   *Feb. 2022 - Present*
- Started collaborative projects with peers to learn new languages and complete the Google Solutions Challenge.
- Strategized with Tech team to outline technology workshops and coding challenges for the semester.
- Lead educational sessions about Google technologies including TensorFlow, Flutter, Firebase, and Google Cloud Services.
- Doubled general body attendance by pushing social media campaigns and connecting with students at Involvement fairs.

8Bit Studios   **Ann Arbor, MI**
Chief Marketing Officer   *Feb. 2022 – Jan. 2023*
- Led a marketing team of a start-up that achieved $200,000 in revenue in its first 4 months of conception by developing the smart-contract infrastructure for blockchain start-ups.
- Managed branding campaigns and event marketing initiatives in print, video, web, and social media.
- Organized and led weekly AGILE meetings to summarize accomplishments and deliver weekly milestones to our 2 fulltime team members and 2 interns.

PROJECTS

Stock Trading Web App
Python, JavaScript, Bootstrap, Flask, SQLite, HTML/CSS, API
- Interfaced with the IEX public API to access real-time stock data.
- Wrote Python script to retrieve quotes for user queries and insert sorted data into an SQLite database.
- Utilized the Flask framework to dynamically register and login users.

Blockchain Risk Game
React.js, Next.js, TypeScript, Python, Solidity, HTML/CSS
- Collaborated with a team of industry developers to create a risk-like blockchain game.
- Developed the frontend of a blockchain based narrative driven game using the Next.js React framework.
- Utilized React components to handle game updates and user profile changes.

Response Generator
Bootstrap, JavaScript, HTML/CSS, API
- Built a front-end, interactive web page using vanilla JavaScript, HTML/CSS, and elements from the Bootstrap library.
- Implemented the SpeechSynthesisUtterance API to convert custom text responses into speech when triggered.
- Utilized only vanilla JavaScript and HTML/CSS to better learn the languages.

SKILLS

- **Languages:** C, C#, Flask, HTML/CSS, JavaScript, Python, Ruby, SQLite
- **Frameworks:** Next.js, Ruby on Rails, Django
- **Developer Tools:** bash/zsh, Git, GitHub, Visual Studio Code
- **Libraries:** Bootstrap, React.js