ASHLEY CHAN
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EDUCATION

Rensselaer Polytechnic Institute, Computer Science B.S, Minor in Electronic Arts   May 2026
GPA 3.8
- Relevant Coursework: Introduction Logic Based AI, AI for Conservation, Programming Languages, Principles of Software, Introduction to Algorithms, Data Structures
- Organizations: HackRPI, Society of Women Engineers, Badminton

WORK EXPERIENCE

BAE Systems, *Software Developer Intern*   May 2025 - June 2025
- Resolved front end errors such as form validation and modernizing deprecated functions, refining user experience and code stability for a **user base of 70,000+**
- Designed and prototyped **7+ user centric pages** and userflows in **Adobe XD** cutting design-to-development timelines by **50%** through collaboration with product managers and engineers
- Developed responsive component based interfaces in a virtual environment with **TypeScript, JavaScript**, and **React**, improving cross-browser support across **3 major browsers** (Chrome, Edge, Firefox)
- Collaborated in **10+ Agile Sprints** using **Azure DevOps** to ensure features are delivered on time, supporting a team of **6+ developers** to meet sprint goals

Harp Research, *UX Developer Intern*   September 2024 - December 2024
- Engineered a scalable web application with reusable UI component, enabling rapid prototyping and MVP delivery within **3 months**; accelerated feature development cycles by **25%**
- Optimized **Vue.js** code to increase scalability, improving site performance by **35%** across platforms
- Integrated a backend with **PostgreSQL** to process and persist 2 distinct form types, enabling structured storage of **1,000+** submissions and improving data retrieval speed by **40%**
- Led a redesign **team of 3** by creating **4+ iterations** of the full end to end user experience in **Figma**

Apex Enterprises International, *Front End Software Developer*   June 2023 - August 2023
- Deployed a fully functional **6+ page website** for a private orthopedic practice, handling the entire process from UI/UX design to production.
- Conducted **15+ cross-browser and device tests**, achieving **99% uptime** and ensuring seamless performance across desktop and mobile
- Partnered with the client to define requirements, reducing revision cycles by **30%** and ensuring **10+ requirement features** were delivered in the final product
- Built and refactored **5+ reusable components** in Vue.js and Tailwind, improving code efficiency and reducing future development time by **20%**

PROJECTS

RPI, Undergraduate Research Project (EMSights)   June 2024 - December 2024
- Developed **Solidity** smart contracts to scale encrypted patient data storage, reducing storage costs by **15%**
- Created **3+ system architecture diagrams** for a medical consent management application that streamlines information sharing in emergency situations
- Improved front-end usability by restructuring layouts and clarifying user roles, decreasing task completion time by **40%** in testing

SKILLS AND LANGUAGES

- **Programming Languages:** Python, C++, C, Javascript, Typescript, Java, Solidity, MIPS Assembly
- **Web Technologies:** HTML, CSS
- **Frameworks & Libraries:** Vue.js, Nuxt.js, React, Babylon.js, Node.js
- **Tools:** Git, Linux, Azure, Agile, Firebase, Storybook, Figma, Adobe Photoshop, Adobe Premiere Pro
- **Languages:** Fluent Cantonese, Conversational Mandarin, Basic Russian