Jackey Yang

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Education

Stevens Institute of Technology   Hoboken, NJ

B.S. in Computer Science, CySec minor   *Expected May 2025*

Coursework: Algorithms, Computer Architecture and Organization, Data Structures, Discrete Structures

Professional Experience

Stevens Institute of Technology   Hoboken, NJ

Undergraduate Research Assistant   *December 2022 – Present*

- Developed several Python scripts to scrape and analyze information from EVE Online's alliance leaderboards and killboards to describe the recent decline of players **(Python, Scrapy, XML)**

VP of Badminton Club   *August 2022 – Present*

- Overseeing and organizing several weekly practices and monthly tournaments for 40+ members

IpserLab LLC   Remote

Fullstack Developer Intern – Lead   *June 2022 – September 2022*

- Designed and developed an eCommerce web app that communicated with a custom NoSQL database with Node.js to process cart and checkout **(ReactJS, Node, Stripe.js, Jira, and Figma)**
- Directed an AGILE team of 4 interns to migrate from jQuery to React, leading to a performance boost of ~30% and allowing for much more efficient scalability
- **Improved full page load time by ~50% (from 5.23s to 2.69s on Seattle servers)** by optimizing React Router, lazy loading images, and reducing unnecessary re-rendering processes

Play Hoboken   Hoboken, NJ

Web Developer Intern   *April 2022 - May 2022*

- Expanded WordPress site capabilities to include several functionalities, particularly a newsletter and recurring ads, while reducing load time and maintaining uptime **(WordPress, HTML, CSS)**

Projects

Shima (Geolocation Tracker)

- **Won NJIT's 2022 Hackathon with over 200+ attendees** by leading frontend implementations of location tracking logic and our custom acyclic pathing algorithm **(Google Maps API, Flutter)**
- Formulated a breadcrumb-styled tracking system and implemented periodic location pings (crumbs) which connected to form the shortest route back

Castle Point Anime Convention

- Collaborated with a team of 6 to implement mobile-first design changes for 200+ daily visitors
- Automated registration process of artists and dealers by creating a signup portal by integrating several APIs **(React.js, Python, AWS, Docusign, Quickbooks, and Google Drive APIs)**

Programming Skills: Javascript/Typescript, Java, Python, C++, C, SQL, GraphQL, Dart
Other: Git, Flutter, HTML, CSS/TailwindCSS, ReactJS, RESTful APIs, Linux