

# Jackey Yang

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## Education

### Stevens Institute of Technology

Hoboken, NJ

B.S., Computer Science & Cybersecurity minor

*Expected May 2025*

*Relevant Coursework:* Web Programming 1 & 2, Systems Programming, Algorithms, Computer Architecture & Design

## Skills and Interests

**Programming Skills:** JavaScript, TypeScript, Python, C++, C, Java

**Others:** Git, React/Next, Express, MongoDB, RESTful APIs, Postman, Ember, Linux, HTML/CSS, Figma, Docker

**Interests:** Coffee making, custom keyboards, badminton, soldering, music, photography, cooking

## Professional Experience

### G3 Technologies Inc.

Berkeley Heights, NJ

*Software Engineer Intern*

*May 2023 – Present*

- Spearheaded the development of highly optimized software components dedicated to the detailed analysis of telecommunication network traffic with 4 million daily data packets (**EmberJS, Tornado, MongoDB, Docker**).
- Established and executed comprehensive testing protocols, **identifying and rectifying 150+ software vulnerabilities**, enhancing system robustness and reliability.
- Collaborated closely with cross-functional teams, integrating feedback to engineer solutions from the ground up.

### IpserLab LLC

Remote

*Frontend Developer Intern*

*June 2022 – September 2022*

- **Achieved a 50% reduction in page load time** for the eCommerce platform by transitioning from JQuery to ReactJS, while using Context API for efficient state management (**ReactJS, Stripe.js**).
- Managed a pivotal role in team meetings, making crucial design decisions to shape the product's aesthetics, functionality, and overall user experience.

## Leadership Experience

### Stevens Institute of Technology

Hoboken, NJ

*Course Assistant – CS546 Web Programming*

*May 2023 – Present*

- Engineer automation modules, ensuring 100% accuracy for grading 300+ students' code (**Puppeteer, Canvas**).

*Research Assistant* – Scripted web-scraping tools to aggregate and analyze 70 million rows of table data.

*Head Webmaster of Castle Point Anime Convention* – Enhanced site performance, supporting 6000+ monthly visitors.

*President of Badminton Club* – Boosted membership by 30% and organized 15+ tournaments.

## Projects

### EDH Top 16 (Data Aggregation Software) – [Github](#) | [Site](#)

- Cofounded an open-source data aggregator for 'Magic: The Gathering' tournaments, **garnering 40,000+ monthly visitors**, offering extensive tools for data management and retrieval (**NextJS, TailwindCSS, PyMongo**).
- Spearheaded site refactoring, **achieving a 50% improvement in performance and reliability** by modularizing the code, optimizing the project structure, and integrating the Context API with Next.js.

### Artist Alley and Dealer's Room Web Tool

- Engineered a digital platform for managing artist and dealer documents, servicing 150+ vendors and facilitating over \$500k in merchandise sales (**Flask, React, Docusign API**).

### Shima (Geolocation Pinger) – [Github](#) | [Devpost](#)

- Developed a breadcrumb-styled GPS pinging system for low-signal and remote areas, **which secured first place at HackNJIT 2022, standing out among 200+ attendees** for our 24hr prototype (**Flutter, Google Maps API**).