

# Winnie Ng

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## Skills

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NextJS, ReactJS, JavaScript, TypeScript, Tailwind, Python, FastAPI, PostgreSQL, SQLAlchemy, AWS, HTML, CSS, Ruby on Rails, Docker, Kubernetes

## Work Experience

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**Frontend Engineer Intern Lead** | Subconscious AI, New York, NY Mar '24 - Jun '24

- Built a data visualization to compare real-world and AI-simulated social experiment outcomes, showcasing company's predictive tool, increasing user engagement, and \$430K investment
- Led refactor initiative to improve site performance with NextJS by using lazy and dynamic loading, reusable components and pagination, reducing page loading time and improving user experience
- Implemented end-to-end regression testing with Cypress to prevent new features from breaking existing functionality, reducing QA time and accelerating feature production by 33%

**Junior Frontend Engineer** | Howl, New York, NY Feb '22 - Oct '22

- Created an automated alert feature using Next.js and TypeScript that notify brands when budget falls below threshold, eliminating manual monitoring for the sales team
- Collaborated with cross-functional teams using Jira and Figma to increase partnership opportunities for brands and creators, resulted in high revenue growth and a \$5 million reinvestment
- Ensure application is compliant with web accessibility standards, accommodating diverse user needs and enhancing overall usability by implementing ARIA roles and screen reader support

**Sales Operations Coordinator** | Velocity Sales Management, New York, NY Jan '19 - Jun '20

- Implemented Visual Basics for Applications macros in Excel to automate repetitive tasks, reducing task completion time by 90%, resulted in improved operation efficiency and productivity
- Designed a SQLite database using Python and SQL to streamline analysis, ensuring supermarket inventory consistently exceeded 85%, and quickly identifying issues when below target

## Projects

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**Chingu** Jul '23 - Present

- Integrated Google and GitHub OAuth 2.0 for seamless user authentication, enhancing security and streamlining the sign-in process
- Build and maintain CI/CD workflows using Github Actions to automate testing, build and deployment processes, reducing deployment time from 24 hours to 45 mins

**Renai - DevC Hackathon** May '24

- Leveraged Docker to containerize applications and Kubernetes to manage and scale microservices in FastAPI application, optimizing deployment processes and enhancing high availability by 99.9%
- Utilized boto3 and AWS S3 to automate image upload and retrieval, enhancing image management efficiency and reducing page load times with streamlined cloud storage

## Education

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**App Academy** | Computer Science Bootcamp Jun '21 - Oct '21

**SUNY Binghamton University** | Bachelor of Arts in Mathematics Aug '13 - May '18

**SUNY Binghamton University** | Bachelor of Science in Financial Economics Aug '13 - May '18