

WINSTON TSUI

witsui@syr.edu • 929-410-1689 • linkedin.com/in/winstontsui/

EDUCATION:

Syracuse University

May 2024

B.S. Computer Science

GPA: 3.9

Relevant Coursework: Data Structures and Algorithms, Computer Graphics, Machine Learning, SQL Database Management, Software Design and Development, Ubiquitous Computing, Virtual Reality, Operating Systems

Extracurricular Activities: SHPE, Tau Beta Pi, OAD Programming

SKILLS:

Languages: JavaScript, TypeScript, Java, Python, C, C++, C#, Dart, Kotlin, Racket, SQL, HTML, CSS, SCSS, PostCSS

Frameworks: React.js, Next.js, Node.js, Prisma ORM, Email.js, NextAuth.js, DaisyUI, TailwindCSS, Leaflet, Flutter

Software Development: Netlify, Vercel, MongoDB, Microsoft SQL Server, GCP Firebase, Agile, XP, CI/CD, JUnit, Visual Studio, VSCode, Android Studio, Git, GitHub, Asana, Jira, LaTeX, Overleaf, Unity, OpenGL, Prettier, ESLint

Certifications: Professional Scrum Master™ I (Certified PSM I), Azure (Certified AI Engineering), Azure (Certified Fundamentals)

EXPERIENCE:

Software Engineer Intern at Palapa.ai, New York City

May 2023 - September 2023

- Integrated Android platform YOLOv8 ML vision model & ONNX framework into Flutter application, improving object detection performance by 10% over iOS model.
- Released Flutter application to Google Play Store with 50% reduction in size compared to App Store.
- Implemented Dart screen navigation route with extension methods leading to improved app stability.
- Utilized GCP Firebase and Console to store ML model. Executed Android Studio IDE automated testing and error logging.

Application Development Intern at Dept. of Design, New York City

June 2022 - August 2022

- Streamlined business card operation through Microsoft SharePoint automated data processing.
- Designed business workflow according to stakeholder specifications, facilitating effective development processes.
- Translated stakeholder requirements into functional prototypes, reduced manual data entry time.

Desktop Support Intern at Dept. of Correction, New York City

June 2021 - August 2021

- Implemented specific specialized software solutions such as GoToMyPC and CAPPI utilizing Active Directory.
- Executed 1-on-1 hands-on end-user support, both in-person and via telephone with hardware/software troubleshooting.
- Upgraded 100+ legacy computers from Windows 7 to Windows 10, communication of reimaging challenges.
- Resolved escalated tickets and customer issues, debugged cable, printer, and network disruptions.

RESEARCH/PROJECTS:

Software Development Engineer, New York City

June 2023 - Present

- Created personal open source GitHub portfolio application leveraging React's component-based UI architecture.
- Implemented Full-stack responsive UI using JavaScript, TailwindCSS styling framework and CI/CD delivery with Netlify.
- Integrated Leaflet for interactive maps focused on user experience with location-based information.
- Utilized Email.js to streamline colleague and employer communication.

Software Development Engineer, New York City

August 2021 - April 2023

- Created Flutter full-stack user message communication application with real-time chat functionality.
- User authentication system design in Dart with a secure user registration, efficiency with login & signing activity process.
- Leverages GCP Firestore in storing user profiles, chat messages, and application data.
- Uses Dart, Kotlin and Android Studio programming languages and a dynamic, responsive user interface.