

Terry Su

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Skills

Languages: Python, JavaScript, TypeScript, C, C++, HTML, CSS, Sass

Tools/Frameworks: Git, Node.js, Postman, Express.js, React.js, Next.js, React Native, Expo, Firebase, PostgreSQL, MongoDB, Flask, Jest, Tensorflow, PyTorch, Heroku, Netlify, Powershell

Professional Experience

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| <p>09/2022 – 01/2023
Waterloo, Canada</p> | <p>Computer Vision Developer, <i>Waterloo Aerial Robotics Group</i> 🔗</p> <ul style="list-style-type: none">• Used Python to integrate UART protocol for encoding/decoding byte streams with RFD900x radios as an integral component of the team's flight competition.• Wrote a script with pySerial to raise the radio data intake rate to 115,000+ baud.• Used PyTorch and CIFAR-10 datasets to improve classification accuracy and validation loss to 84% and 0.46 respectively on an existing CNN model. |
| <p>03/2022 – 08/2022
Fremont, United States
(Remote)</p> | <p>Software Engineer Intern, <i>Hack+</i> 🔗</p> <ul style="list-style-type: none">• Built Dash2, a financial management platform for organizations, providing service to 730+ student founders at Hack+.• Created and integrated API routes/endpoints with Express.js, Google Storage, and Next.js to mitigate friction in manual receipt uploads.• Wrote DOM unit tests using Jest to assure production-grade code quality. |
| <p>01/2022 – 04/2022
Charlotte, United States
(Remote)</p> | <p>Frontend Developer Intern, <i>Strive2Thrive Edu</i></p> <ul style="list-style-type: none">• Built and sustained components on the organization's website HTML/CSS/JavaScript on the WordPress system.• Worked alongside admin to update the UI/UX, engaging 400+ site visitors as global volunteers in the relevant programs and objectives. |

Projects

- GoodEats** [🔗](#)
- Developed a hybrid platform React Native app using the Expo toolchain that allows users to freely explore and tag restaurant choices from across the world.
 - Facilitated backend end-to-end operations using Firebase Authentication and the Firestore database.
 - Led a team of peers to migrate mock API calls using the Yelp Fusion API to access real-time data.
- The Gamble Bot** [🔗](#)
- Utilized Python3 and the Discord.py framework to build a virtual currency to be traded and wagered by guild users.
 - Attached functionalities to a MongoDB cluster database to update relevant guild/user data and sustain 500+ transactions up to date.
 - Exposed the application to the Discord community via a hosted Flask server.
- SmartBrain** [🔗](#)
- Developed an engaging React.js web application that enables users to engage with the Clarifai Face Detection APIs and foster competition against one another.
 - Used Express.js/Node.js alongside PostgreSQL to build custom endpoints to accomplish frontend features.
 - Deployed the application using Heroku.

Education

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| <p>2022 – 2027
Waterloo, Canada</p> | <p>Bachelor of Software Engineering - BSE, <i>University of Waterloo</i></p> <ul style="list-style-type: none">• Faculty of Mathematics National Scholarship (\$15,000) |
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