

# George Shao

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## Education

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<b>University of Waterloo (Bachelor of Software Engineering)</b>	<b>September 2021 – 2026</b>
<b>St. Robert Catholic High School</b>	<b>2017 – June 2021</b>

## Professional Work Experience

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<b>Junior Engineering Intern — Rapid App</b>	<b>July 2020 – September 2020</b>
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- Built the web interface for Rapid App, a new instant messaging platform for communities, similar in concept to Discord and Slack, which raised over \$50,000 in investor funding.
- Worked With: JavaScript/TypeScript, React.js, Storybook.js, Chakra UI, HTML, CSS

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<b>Web Developer — InterWebs.Host</b>	<b>August 2020 – Present</b>
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- Managed website domain and hosting for clients. Partnered with many university student clubs and organizations including the National Institute of Technology, IEEE, ACM, and SIAM as well as CipherSchools and Aluna Research Group.
- Worked With: JavaScript, HTML, CSS, Firebase Hosting

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<b>Junior Robotics Instructor — Envision Robotics</b>	<b>July 2019 – Present</b>
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- Taught children basic 3D designing/printing skills and simple robot building skills.
- Hosted robotics workshops for children at Oxford Learning, elementary schools, and other clients.

## Technical Skills & Certifications

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<b>IBM Full Stack Cloud Developer Professional Certificate</b>	<b>April 2021</b>
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Strong background in: Python, JavaScript, Git, GitHub, and Firebase

Basic experience in: React, Node.js, Express.js, RESTful APIs, and IBM Cloud (Cloud Foundry, CI/CD DevOps

Toolchain, Cloudant Database, Serverless Cloud Functions)

## Achievements

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<b>1517 Fund Grand Prize</b>	<b>June 2020</b>
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- Received a total of \$22,000 in tech start-up grants as cash and goods from California-based venture capital firm 1517 Fund, for developing useful applications that decreased costs and increased worker productivity.
- Worked With: Python, OpenCV, numpy, multithreading

## Projects

### ArcadePlus

An easy-to-learn Python library for creating 2D video games, ideal for beginning programmers, or programmers who want to create 2D games without learning a complex framework.

Downloads: 11,245 (as of April 19, 2021)

Worked With: Python, Pyglet (OpenGL wrapper)

### DistributedPython

A Python library that transpiles Python to JavaScript and deploys jobs to the Distributed Compute Protocol.

Worked With: Node.js, Python, JavaScript, Distributed Compute Protocol

### PowerSearch

A powerful cli tool for searching the contents of multiple files and file types at once, including pdfs, Word documents, PowerPoints, Excel spreadsheets, csv files and more.

Worked With: Python, multithreading