

# Jonathan Wang

2A COMPUTATIONAL MATHEMATICS

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## Work Experience

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### Palette Gear

Kitchener, ON

SOFTWARE DEVELOPER CO-OP

May 2019 - Aug. 2019

- Developed error tracking and reporting service in Node.js backend and C++ desktop application
- Engineered integrations for error-reporting service in desktop application and Javascript plugin, creating UI using QML for customer interaction
- Added minidump uploading integration in C++ application for better debugging and error tracking
- Implemented continuous integration service for Node.js backend through Azure Devops and Pipelines
- Manually tested over 700 desktop application scenarios, finding and fixing bugs

## Projects

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### Replacer

REACT.JS, JAVASCRIPT, CSS

- Webapp that dynamically transforms text based on user inputted rules
- Utilized React hooks for state management between components and Material UI for design

### Two Player Snake

PYTHON, PYGAME

- Developed classic Snake video game, with singleplayer mode and leaderboard for keeping track of scores
- Implemented multiplayer mode, involving two players competing against each other

### Pomodoro

REACT.JS, JAVASCRIPT, CSS

- Clean pomodoro timer with multiple configurable timers and alarm types
- Tracks statistics and presents user with historical information on time spent working and time spent resting

## Skills

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**Languages** Javascript, C++, Python, CSS, HTML5, Scheme

**Technologies** React.js, Node.js, Qt/QML, Git, Bootstrap, JQuery

## Education

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### University of Waterloo

Waterloo, ON

CANDIDATE FOR BACHELOR OF MATHEMATICS IN COMPUTATIONAL MATHEMATICS

Sept 2018 - Current

- **Relevant Coursework**, CS 136 - Elementary Algorithm Design and Data Abstraction — 84%

## Other Experience

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### DECA Ontario, Earl Haig Chapter

Toronto, ON

HOSPITALITY ORAL TRAINER

October 2017 - March 2018

- Instructed a class of students in business weekly, resulting in 75+% class advancement to provincial stage and one individual to international
- Held one on ones to prepare students for case studies and exams during competitions

### Zoom Film Festival

Toronto, ON

SECRETARY

Jan. 2016 - May 2017

- Secured sponsorships with third parties for funding and other festival resources
- Managed documentation for weekly meetings and contact with sponsors, keeping rest of council informed