Jonathan Wang

2A Computational Mathematics

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Work Experience

Palette Gear
Kitchener, ON

Software Developer Co-op
May 2019 - Aug. 2019

- Developed error tracking and reporting service in Node.js backend and integrations for C++ desktop application and Javascript plugin
- Designed QML UI for customer interaction
- Added minidump uploading integration in C++ application for better debugging and error tracking
- Implemented continuous integration service for Node.js backend with Azure Devops and Pipelines
- Participated in team code reviews and software architecture meetings
- Manually tested over 700 desktop application scenarios, finding and fixing bugs

Projects

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

Languages   Javascript, C++, Python, CSS, HTML5, Scheme
Technologies   React.js, Node.js, Qt/QML, Git, Bootstrap, JQuery

Education

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

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