

# Betty Guo

Computer Science and Business Double Degree Student

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## EXPERIENCE

**Software Developer** January 2021 - April 2021  
Magnet Forensics Internship

- Engineered data sources and filters integral to new media investigation tool with C# and XAML, used by law enforcement and digital forensics investigators to compile case evidence
- Leveraged Apache Lucene.NET open source search engine library to efficiently implement robust media searching capabilities
- Implemented end-to-end business logic in areas such as case exporting and evidence visualization to enhance investigator experience, utilizing MVVM architecture and design patterns

**Frontend Developer** March 2020 - January 2021  
IleTTonna Part-Time

- Developed responsive MomsOverMatter psychiatric survey platform using React, Redux and SCSS; currently used in clinical trials for postpartum depression and anxiety
- Iterated on design and functionality alongside product and design teams, implemented final application based on wireframes

**Innovation Developer** May 2020 - August 2020  
SunLife Financial Internship

- Explored new technology implementations through proof-of-concept development; pitched 8 wireframes and 5 coded prototypes to over 50 stakeholders
- Designed and implemented website and content management platform for WIISTEM program using React, SCSS and Express.js

## PROJECTS

**CaptionCaptain** HackTheNorth 2021

- Developed iOS app that leverages Google Cloud Vision and UIPath to generate Instagram captions for any photo
- Implemented web scraping and intelligent synonym matching to return relevant captions based on ML generated image keywords

**Settlers Of Catan** CS246 Fall 2020

- Designed and implemented variant of Settlers of Catan using C++; followed OOP principles and RAII memory management
- Collaborated with team of 3 to develop interdependent modules and achieve time-sensitive project milestones
- Final Project Mark: 110% (including bonuses for design)

## EDUCATION

**University of Waterloo**  
Bachelor of Computer Science  
2019 - 2024

**Wilfrid Laurier University**  
Bachelor of Business Administration  
2019 - 2024

## ASK ME ABOUT

### SHINE Strength

Creating an inclusive fitness community through online group fitness classes for young women; advocating for body neutrality, positive mental health and closing the confidence gap

### UW Computer Science Club

Represented UW CS Class of 2024 on Program Committee, planned and executed socials and technical workshops

### WomeninSTEM

Co-founded and lead a community for high school females in STEM, providing mentorship and learning opportunities for 35 girls

## SKILLS

### Languages:

Java, C++, C, C#, Python, XAML, HTML5, CSS3, JavaScript, SQL

### Tools/Frameworks:

ReactJS, React Native, Git, Node.js, Express.js, Excel, Word, PowerPoint

### Certifications:

Oracle:  
1Z0-808 Java SE 8 Programmer I