

# BILL THAN

Bachelor of Information Candidate | <https://www.billthan.ca>

I have over 4+ years of coding experience and 2+ years of User Experience design. My past experiences make me an exceptional candidate as a front-end developer. My research interests lie in Human-Centered Data Science (HCDS) and Human Computer Interaction (HCI).

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## PROFESSIONAL EXPERIENCE

### **NORMERICA Incorporated**

Software Testing Intern | January 2020 – March 2020

- Re-structured 10 years worth of user accounting data for migration
- Verified 10 years worth of user accounting data in new system for accuracy
- Revealed at least 50+ fatal faults in SQL server to prevent user frustration
- Improved server efficiency with careful documentation

### **City of Toronto**

Aquatic In-Charge & Trainer | June 2018 - present

- Restructured aquatic trainings to adhere to COVID-19 procedures
- Increased aquatic staff efficiency with effective training materials
- Confidently lead and directed swim instructors in aquatic programs
- Improved workplace efficiency with careful official documentation

## PERSONAL PROJECTS

### **BigWeather (Java, Windows)**

Interactive Windows Weather Statistical Analysis tool

- Securely handled diverse API and key encryption in Java
- Efficiently deserialize raw JSON/XML metadata
- Used HCI principles to facilitate easy-to use GUI

### **Hackintosh Development (HP G1 800, XPS 9500)**

Open source, EFIs for running macOS on non-Apple devices

- Maintain 50+ kernels, driver files, and config.plist
- Rigorously tested each peripheral to ensure driver compatibility
- Maintain 40+ drivers for stability

### **Natural Nails and Spa Website (HTML, CSS, .js)**

<https://www.naturalnailsspa.ca>

- Redesigned website every year since 2015
- Monthly website maintenance
- Monthly SEO reports for client

## EDUCATION

### **University of Toronto**

Bachelor of Information (BI)

User Experience and Human Centered Data Science  
2018-2022

### **University of Toronto**

Bachelor of Science (BSc)

Mathematics, Computer Science, and Education  
2018-2020

## ACHIEVEMENTS

University of Toronto \$5000 Scholarship (2020)

Ontario Student \$5000 Grant (2020)

## HUMAN CENTERED DESIGN SKILLS

User Research

Prototyping

Agile/Iterative Design

User Journey Mapping

Usability Testing

## TECHNICAL SKILLS

### **Programming Languages**

python	Java
Kotlin	JSON/XML
SQL	C/C++
RStudio	HTML5/CSS3
JavaScript	

### **Human Centered Design Tools**

Figma	Adobe CC
LaTeX	markdown
BALSAMIQ	

References available upon request | [billthan@live.ca](mailto:billthan@live.ca) | 647-639-5312