

# JEREMIE BORNAIS

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## EXPERIENCE

### Software Developer Intern

#### Assent Inc.

📅 January 2022 - Present

📍 Ottawa, ON

- Used **Angular and SCSS** to create and update front-end components, adhering to strict styling standards.
- Used **C# and .NET Core** to create API endpoints, unit tests, component tests, and integration tests.

### Software Developer Intern

#### Green Shield Canada

📅 May 2021 - August 2021

📍 Windsor, ON

- Used **Oracle PL/SQL** to create Data Reports and Extracts
- Created automation scripts with **Python and JavaScript** to **reduce number of clicks required by 10** per report

### Research Assistant/Web Developer

#### University of Windsor

📅 June 2020 - Present

📍 Windsor, ON

- Developing a **web application** for the analysis and presentation of experimental SAS data
- Achieved **100X faster compute time** of select elements
- Using **Flask, Bootstrap, NumPy, SciPy, and Matplotlib**

### Teaching Assistant

#### University of Windsor

📅 September 2020 - Present

📍 Windsor, ON

- Responsible for lab instruction, marking, and holding office hours for **3 core undergraduate courses**

## EXTRACURRICULAR

- **President** | Computer Science Society, responsible for representing needs of students (2021-2022)
- **Co-Founder and Technical Lead** | BorderHacks, MLH Hackathon (borderhacks.com) (2020, 2021)
- **Co-Founder and Technical Lead** | WinHacks, MLH Hackathon (winhacks.ca) (2020-2022)
- **Project Lead** | Developer Student Clubs, 'Automagic Websites', a digital CV platform for CS students (2020-2021)
- **UWindsor Hub Organizer** | Google Hash Code coding competition (2020-2022)
- **Web Developer** | UWindsor Robotics, using Flask, SQLite, and Bootstrap (robotics.uwindsor.xyz) (2020)
- **Programming Mentor** | A-Team Robotics, teaching high school students OOP fundamentals using Java (2019)

## EDUCATION

### Bachelors of Computer Science (Honours)

#### University of Windsor

📅 September 2019 - August 2023

- **98.1%** Major Avg, **97.7%** Cumulative Avg
- Recipient of the President's Scholarship, Eleanor Catherine Wallace Memorial Scholarship and Foresters Scholarship

## SKILLS

**PROGRAMMING:** Python, JavaScript, C#, HTML, CSS, C++, SQL, Java, C, Ruby, SCSS

**TECHNOLOGIES:** Git, Linux, Flask, .NET Core, React Native, Angular, Svelte, Bootstrap, Firebase

**CLOUD:** Google Cloud Platform, DigitalOcean, Heroku

**LANGUAGES:** English, French (DEL F B1 Certified)

## PROJECTS

### 🎧 Automagic Websites

- Full stack web app featuring **secure user authentication**
- Allows users to create, host, and export their own simple website
- Created using **Python, Flask, SQLAlchemy, Bootstrap**

### 🎧 Bornais.css

- CSS Framework designed to be semantically similar, but more versatile than Bootstrap
- Based on **FlexBox** and **CSS Grid**
- Fully **Mobile-Responsive** from scratch

### 🎧 CS Student Calculator

- **JavaScript-based** web application designed to assist computer science students
- Allows conversion between different number bases, matrix multiplication, solving  $Ax=b$  relations, and much more
- Developed using JavaScript, Math.js, and Bootstrap

### 🎧 Certificate Generator

- Custom script built using **Google Apps Script** that allows for generating a large number of certificates with one button
- Used by BlackBerry, WinHacks, BorderHacks
- Saves event organizers **hours** of manual work