JEREMIE BORNAIS

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EXPERIENCE

Research Assistant
University of Windsor

📅 June 2020 – Present   📍 Windsor, ON

- **Developing web application** for the analysis and presentation of experimental SAS data
- Achieved **100X faster compute time** of select elements
- Using NumPy, SciPy, Flask, Bootstrap, Pandas, and Matplotlib
- Member of the **Outstanding Scholars Research Program** for my academic and leadership achievements

Teaching Assistant
University of Windsor

📅 Sept 2020 - Present   📍 Windsor, ON

- Responsible for assisting students in the **Key Concepts in Computer Science** class.
- Holding regular office hours and assisting in marking

EXTRACURRICULAR

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

TECHNICAL SKILLS

PROGRAMMING: Python, Java, C, HTML, CSS, JS, Ruby

TECHNOLOGIES: Git, Linux, Flask, Bootstrap, Discord.py, SQLite, Firebase

CLOUD: DigitalOcean, GCP, Heroku

LANGUAGES: English, French (DELF B1 Certified)

HONOURS AND AWARDS

- Governor General's Medallion (2019)
- Schulich Leader Nominee (2019)
- Dean's List (2020)

EDUCATION

B.CS. Computer Science (Honours)
University of Windsor

📅 September 2019 – May 2023

- **99.25%** Major Avg – **97.1%** Cumulative Avg
- Recipient of the President's Scholarship, Eleanor Catherine Wallace Memorial Scholarship and Foresters Competitive Scholarship

PROJECTS

○ Image Creation Bot
- Fully featured Discord bot, capable of **creating images** from simple commands, and **authenticating users** via Google Sheets
- **1st Place Prize**, Hacklarious Hackathon
- Developed using Python, Discord.py, PIL, Google Sheets API

○ Bornais.css
- CSS Framework designed to be semantically similar, but more versatile than Bootstrap
- Based on **Flex Box** and **CSS Grid**
- Fully **Mobile-Responsive** from scratch

○ CS Student Calculator
calc.bornais.ca
- **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
- Previously used by **BlackBerry** and **WinHacks**
- Saves event organizers hours of manual work

COMPETITIONS

HACKATHONS
- **First Place**: Hacklarious (2020)
- **Best Domain**: HackDSC (2020)
- **Best Domain**: CatHacks VI (2020)

CODING COMPETITIONS
- Google Kick Start Rounds A-D (2020)
- Google Code Jam Qualifier (2020)
- Google Hash Code (2020)