

# DAVID MARTIN

2020 Cutters Place ◇ Burlington, Ontario  
(289) · 527 · 4348 ◇ david2020martin@gmail.com ◇ GitHub

## EDUCATION

---

### **Brock University St.Catherines, ON**

September 2020- April 2025

*Bachelor's in Computer Science*

#### **Relevant Coursework:**

-Introduction to Computer Science· Data Structures·Advanced Data Structures· Computer Architecture/ Assembly· Web Development ·Introduction to Databases  
-Mathematics/Mathematical reasoning · Applied Linear Algebra · Practical Statistics· Applied Calculus · Algorithms

## SKILLS & ABILITIES

---

Hands-on experience with Java, acquiring an understanding of object-oriented programming, data structures, and implementing algorithms

Acquainted with web development utilizing HTML, CSS, and JavaScript combined with an understanding of front-end and back-end communication.

Familiar with DBMS concepts including data models and refinement, implementing SQL queries, and Indexing/Storage methods.

## PROJECTS

---

### **First Full Stack application**

- Utilized a combination of HTML,CSS,JavaScript and python to implement a dynamic web page with user authentication and database functionality.
- Integrated Server-side functionalities using SQLite3 data base for efficient storage and retrieval of user-credentials.

### **Currency Exchange Application**

- Implemented real-time currency converter by fetching exchange rates from an API
- Employed asynchronous programming techniques to ensure retrieval of exchange rate data.
- Designed a visually appealing user interface to develop a modern and responsive website using Tailwind CSS to provide a professional industry standard appearance.

### **FTP Server**

- Developed an FTP server using Flask for consistent file uploads and directory navigation.
- Integrated File Compression and encryption for enhanced data security and data storage efficiency.
- Made use of Open Telemetry's tracing to document server metrics such as request/response time while leveraging a UI tool Jeager to assist in visualizing performance.

### **Mobile Translation Application**

- Developed an Translation application in Android Studio integrating Google Translate API for accurate and reliable translations all in real time.
- Implemented SQLite database for within the app enable users to save translations and access recent translations without internet access.
- Interface developed using XML ensuring industry standard design all while reaming visually appealing to the user.

## TOOLS

---

<b>Languages:</b>	Java, SQL, JavaScript, HTML/CSS, Python , C
<b>Protocols:</b>	XML, JSON
<b>Databases:</b>	MySQL, PostgreSQL,SQLite3
<b>Tools:</b>	Linux, Git/Github,Hugo, Tailwind css, Flask (Python), Open Telemetry, Figma

## REFERENCES

---

Available upon Request