

# MITCHELL BROWN

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## SUMMARY

Entry-level Software Developer with hands-on experience building automation systems and full-stack applications for real clients. Strong foundation in Python, React, backend engineering, RESTful API design, and data processing. Seeking an entry-level role within a collaborative engineering team.

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), SQL, HTML/CSS
- **Frameworks & Libraries:** React, Flask (REST APIs), SQLAlchemy, Pandas, NumPy, TensorFlow, Keras
- **Tools & Platforms:** Docker, Git, GitHub Actions, PyTest, Vite, Streamlit, PostgreSQL, SQLite
- **Focus Areas:** Automation, Full-Stack Development, Data Pipelines, Testing

## PROFESSIONAL EXPERIENCE

### **Software Developer & AI / Automation Consultant | One Ring AI | 2025 – Present**

- Built a web scraping and monitoring system using Playwright, BeautifulSoup, and Regex to collect live auction data (bids, prices, timestamps, locations).
- Designed a normalized PostgreSQL database to track historical bid changes and support time-series analysis.
- Implemented automated CSV exports, reports, and trend visualizations using Pandas and Matplotlib.
- Developed a Streamlit UI enabling users to trigger crawls, browse results, and generate reports.
- Containerized the system with Docker and added PyTest + GitHub Actions CI for repeatable deployments.
- Reduced client manual data-checking time from 4+ hours to under 20 minutes.
- Consulted with clients on AI adoption and automation opportunities.
- Weekly research to stay up to date on emerging technologies.

### **Software Developer & Consultant | RBC Bank | 2025 (Contract)**

- Engineered Python automation pipelines (Pandas, Regex) to transform large, unstructured .txt datasets into clean, analyzable DataFrames.
- Reduced manual processing from hours to under 5 minutes across thousands of records.
- Designed resilient Regex patterns to handle inconsistent enterprise-scale data formats.
- Collaborated with team leads to integrate scripts into existing workflows, reducing operational bottlenecks.

## EDUCATION

**B.Sc. Computer Science**, Minor in Philosophy | Wilfrid Laurier University | Waterloo, ON

Relevant Coursework: Machine Learning, Software Engineering, Data Structures, Networks, Databases, Algorithms