Ahren Chen

647-939-5070 | chena125@mcmaster.ca | linkedin.com/in/ahren | github.com/ahren

EDUCATION

McMaster University   Sept. 2021 – April 2025
Bachelor of Engineering in Software Engineering   *Hamilton, ON*
- Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Concurrency, Software Requirements & Security, Databases, Data mining
- 3.9/4.0 GPA

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Go, Ruby
Frameworks: JUnit, VueJS, Django, Rails
Developer Tools: Git, Docker, Maven, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: pandas, NumPy, Matplotlib, Apache Commons CLI

EXPERIENCE

Executive Web Developer   Sept. 2023– Present
McMaster University Sumobots Club   *Hamilton, ON*
- Utilized **VueJS and JavaScript** to consistently maintain and update the club's website, ensuring its operational integrity and up-to-date functionality.
- Proactively addressed and resolved website issues by providing on-call support, ensuring **99.9%** uptime
- Enhanced user engagement and satisfaction by implementing regular updates and optimizations, contributing to a dynamic and user-friendly online presence for the club, and **improving attendance by over 20%**.

Operations Vendor Management Assistant   May 2023– Sept. 2023
Workplace Safety and Insurance Board   *Toronto, ON*
- Managed the spending data analysis of **20+** contracts resulting in the early detection of spending irregularities.
- Helped streamline the contract development life cycle and lead meetings with stakeholders to assess points of concern.
- Developed a knowledge-sharing form for the team to manipulate **databases** in Excel without SQL experience.

Information Technology Technical Assistant   Sept. 2022 – May 2023
McMaster University   *Hamilton, ON*
- Efficiently set up and configured hardware/software for professors, reducing operational delays by **20%** before scheduled class times.
- Provided on-call technical support during lectures, ensuring seamless resolution of issues and uninterrupted teaching.
- Demonstrated proactive problem-solving, contributing to a smoother teaching environment and overall a **30%** increase in operational efficiency.

PROJECTS

Hackathon of Change | *HTML/CSS, Javascript, Django, React, Python, Figma, Git*   Jan. 2023 – Jan 2023
- Enhanced community support for local businesses following the pandemic by developing a user-friendly platform, connecting consumers with nearby options.
- Collaboratively engineered a dynamic website in a 48-hour hackathon in a team of 4, utilizing **HTML, CSS, Django, React**, and **Python** to enable users to discover local businesses through a curated, map-based interface.
- Leveraged Google Maps API and Django to streamline location-based searches and improve user experience by **30%**.

Mesh Generator | *Java, Maven, Apache Commons CLI, Git, JUnit*   Jan. 2022 – April 2022
- Led a team in developing a dynamic island mesh generator using **Java, Maven, and Log4j2**, emphasizing user customization for island conditions.
- Implemented **agile methodology** and **Git** for efficient development, ensuring adaptability to evolving project needs.
- Led the implementation of efficient **JUnit** testing, saving **25%** of debugging time and significantly enhancing the reliability and robustness of the mesh generator application.