Ohm Patel

✉ ohmpatel0810@gmail.com   📞 (519) 722-3986   in /in/ohmpatel2003   ○ /ohmstar123.github.io

🔗 ohmstar123.github.io

🎓 EDUCATION

Bachelor of Engineering Science, *Western University* ⧉   09/2021 – present
Fourth-year Software Engineer   London, Ontario

📂 PROJECTS

PigeonPlex, *School Group Project* ⧉
- Showcased adept use of a full-stack technology stack, including Python, Flask, MySQL, and frontend technologies, demonstrating practical skills in web development and database management.
- Implemented user-friendly interfaces with HTML, JavaScript, and CSS, enabling users to explore movie details, purchase tickets, and securely manage their accounts.
- Provided administrators with comprehensive tools to monitor movie analytics, add new movies, and perform user management tasks, enhancing overall system control and efficiency

Superhero-Search, *Personal School Project* ⧉
- Independently developed a secure and dynamic platform using Firebase authentication, allowing users to search for superheroes based on various criteria.
- Implemented a seamless search functionality, providing users with dynamic results and detailed information about superheroes, along with external links for additional insights.
- Incorporated robust admin privileges, enabling administrators to block/unblock users, assign/revoke admin roles, and manage user access, enhancing overall system security.
- Demonstrated expertise in integrating Firebase for authentication, creating dynamic frontend features, and utilizing external APIs for enriched user experiences, showcasing innovation and proficiency in full-stack development.

SuperOhioThrowdown, *School Group Project* ⧉
- A Pokémon-inspired game created using Python and the Pygame library, featuring strategic battles against grunts, mini bosses, and final bosses, demonstrating strong programming skills and game development expertise.
- Designed and created in-game characters, environments, and assets, showcasing artistic and graphic design abilities, and collaborated with a multidisciplinary team to ensure a polished final product.
- Conducted extensive user playtesting and feedback collection to refine gameplay mechanics, illustrating a commitment to user-centered design and game quality improvement.

Storify, *Personal Group Project* ⧉
- Co-created open-source software using Python and MySQL to simplify database management. It offers a user-friendly, visually-driven approach to manipulate, create, and delete databases and tables.
- Implemented the "PrettyTable" Python library for enhanced data visualization, ensuring a user-friendly and aesthetically pleasing interface.
- Collaborated effectively with team members, demonstrating strong communication and teamwork skills throughout the project's design, development, and testing phases.
- Gained valuable experience in software development, database management, and data visualization, contributing to an accessible open-source solution for efficient database operations.

Worlds Easiest Game 1 & 2, *Personal Project* ⧉
- Developed in C# using Visual Studio, featuring an intentionally challenging gameplay experience with a block character navigating obstacle-filled mazes.
- Designed intricate levels that require players to collect coins and keys to unlock gates, showcasing strong problem-solving and game design skills.
- Conducted playtesting sessions and gathered user feedback to fine-tune gameplay balance and enhance user engagement.

⚔ COMPETITIONS

Western Engineering Competition, *Competition at University (Year 2)*
- Collaborated effectively with a team to strategize and divide tasks.
- Employed programming expertise to create a dynamic and interactive graph and charting system using C# and Visual Studio.
- Implemented data sorting algorithms to organize information from the Excel sheet.
- Successfully presented the solution to a panel of judges, highlighting its efficiency and user-friendliness.

Hack Western 9, *Hackathon*
- Collaborated with a dedicated team to ideate, design, and develop a multifaceted retro arcade game consisting of games such as WEG (1&2), Pong, Tic-tac-toe, and the iconic Tron light cycles.
- Leveraged C# and Visual Studio to implement game mechanics, user interfaces, and interactive elements.
- Demonstrated exceptional problem-solving skills by tackling complex challenges in real-time, ensuring a smooth and enjoyable user experience.

💼 WORK EXPERIENCE

Senior Manager, *Experior Financial Group (Part Time)* ☐   02/2022 – present
Building financial foundations for families to empower them today and leave a   Remote, Canada/USA
legacy for tomorrow
- Provide clients with a consultation to determine their current financial situation
- Prepare customized financial solutions for current/potential clients based on their individual needs
- Hire, train, and promote new financial associates in the team
- Comply with all the company's risk and regulatory standards, policies, and controls
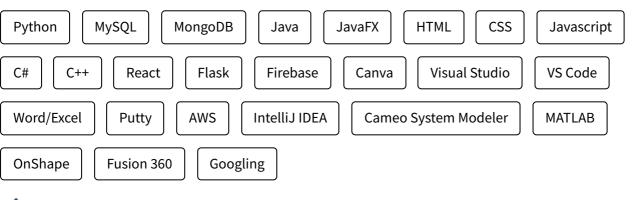
Factory Team Member, *TG Minto (During The Summer)* ☐   2020 – 2022
Follow work instructions to assemble quality parts for Toyota and Lexus at several   Stratford, Canada
different station
- Assemble different types of parts and visually examine them for any types of scratches or mistakes
- Work in a variety of stations in a safe manner while meeting hourly quotas
- Ability to handle numbers and different calculations to document daily productions
- Work within the Health and Safety guidelines and follow the company's rules and regulations

🧠 SKILLS

| Python | MySQL | MongoDB | Java | JavaFX | HTML | CSS | Javascript |

| C# | C++ | React | Flask | Firebase | Canva | Visual Studio | VS Code |

| Word/Excel | Putty | AWS | IntelliJ IDEA | Cameo System Modeler | MATLAB |

| OnShape | Fusion 360 | Googling |

🎸 INTERESTS

| Basketball | Machine Learning | Hackathons | Artifical Intelligence | Gaming |