Thomas Phan

Software Developer

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OBJECTIVE SUMMARY

Aspiring Software Developer with a proven record of being able to effectively collaborate with both technical and non-technical teams in order to deliver effective applications. Passionate about continuous learning and personal growth. Seeking a team that faciliates a learning environment and creativity.

EDUCATION

University of Guelph   Guelph, ON
Bachelor of Computing in Computer Science   *Graduating April 2024*

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C, HTML/CSS, SQL, PHP
Technologies: Git, PostgreSQL, Docker, Figma, Postman

PROJECTS

Paddler Planner | *JavaScript, PostgreSQL, HTML/CSS*
- Collaboratively developed a full stack application that lets users plan a canoe trip with the use of Leaflet JavaScript Library and Geoserver
- Designed database schema to store information about campsites, lakes, and portage routes
- Implemented a JavaScript class that is used to make API calls to the Geoserver to access map layers
- Utilized Git to facilitate collaboration during development and learned how to deal with merge conflicts, pull requests, and branching

AEDMe | *Python, JavaScript, HTML/CSS* | *www.aedme.ca*
- Independently developed a web application that finds the nearest defibrillator found on campus for 7 different universities
- Collected information about defibrillator location by scraping data using Python
- Implemented a user interface using Google Maps API to show users a map containing the nearest path

Course Finder | *JavaScript, HTML/CSS, PHP, MySQL, Nginx*
- Collaboratively developed a full stack application that generates all of the courses a student is eligible to take
- Designed and implemented database schema to store information about university courses
- Implemented a REST API that interacts with the database to retrieve information about courses

Molecular Studio | *Python, C, SQL, JavaScript, HTML/CSS*
- Independently developed a full-stack web application that allows users to interact with molecular models
- Designed a database schema to store the collection of atoms, bonds, and molecules
- Implemented a REST API to allow for manipulation of molecules from the client side
- Created a frontend user interface with the use of JavaScript, HTML/CSS that allows users to rotate and select atoms and bonds

EXPERIENCE

Web Developer   Jan 2023 - Present
Chalmers Centre   *Guelph, ON*
- Maintained a web application for a charity that is accessed by 75+ users weekly
- Implemented a form integrating a captcha system in order to reduce spam
- Managed and updated website content in order to maintain content accuracy
- Collaborated with executive directors to plan for feature design and implementation

Freelance Web Developer   Oct 2023 - Dec 2023
ACCERT Canada   *London, ON*
- Independently implemented and deployed a web application for a professional conference with 125+ members using JavaScript, HTML/CSS
- Collaborated with client team to discuss requirements and user stories
- Implemented a user interface that allows users to intuitively access and quickly retrieve information