

Ke Hua (Peter) Zhu

peter.zhu.95@gmail.com
(613) 663-4455
www.peter-zhu.ca

SUMMARY

Quick learner with experience in designing and developing user interfaces, testing, debugging, and optimizing web functionalities. Excellent problem-solving and customer service skills.

EDUCATION

Bachelor of Mathematics, Mathematical Studies, Computing Option Graduated Aug 2020
University of Waterloo Waterloo, ON

- Waterloo Merit Scholarship

PROFESSIONAL EXPERIENCES

PowerHub | Web Developer Mar 2021 – Present
JavaScript, HTML/Twig, CSS/SASS, GIT, Craft CMS, Docker Toronto, ON

- Revamping company's website using Craft CMS and mobile-first design
- Creating reusable and responsive Twig templates in Craft CMS that enables content creators to add pages without prior programming experience
- Implementing new UI/UX features based on evolving project scope
- Utilized the UIKit framework as a starting point for JavaScript and CSS

Agriculture and Agri-Food Canada | Software Developer Intern May 2016 – Dec 2016
JavaScript, HTML, CSS, GIT, MySQL, Apache Ottawa, ON

- Designed a search function that allows users to query for sequences based on the selected database
- Implemented data extraction tool that allowed users to analyze queried data in Microsoft Excel
- Automated and streamlined the process of updating database records that reflected the newest data available
- Maintained quality control across database information
- Met with my team and affiliated scientists monthly to discuss requirements and progress updates

Red Flag Deals | Programmer Intern Sep 2015 – Dec 2015
JavaScript, HTML/Twig, CSS/SASS, GIT, Jenkins, JUnit, Behat, Jira Toronto, ON

- Constructed responsive and user-friendly templates with device-optimal viewing and navigation
- Implemented features that improved web functionality and reduced loading time by at least 20%
- Built integration tests using mock objects and dependency injection
- Analyzed data with R and generated trends reports for the SEO campaign
- Identified, troubleshoot, and resolved issues reported by end-users
- Improved efficiency and readability of existing code through refactoring, optimization, and documentation
- Worked in an Agile development environment using Scrum methodologies

Agriculture and Agri-Food Canada | Software Developer Intern Jan 2015 – May 2015
Perl, Bash, Linux Ottawa, ON

- Developed a Perl based software pipeline that analyzed and assigned taxonomy to unidentified sequences
- Researched software and procedures for taxonomic identification and implemented them into the pipeline
- Prepared and presented concise presentations of computational results to supervisor and affiliated scientists
- Incorporated new processing methodologies into the pipeline when appropriate

SIDE PROJECTS

Personal Website | JavaScript, HTML, CSS, Bootstrap 4 Dec 2020

- Constructed a personal website to be used as a portfolio for projects

OTHER EXPERIENCE

The Captain's Boil | Supervisor Sep 2018 – Dec 2019

- Delegated tasks according to individual strengths and operational needs that increased productivity
- Provided service training and guidance on administrative procedures to new employees