

Ke Hua (Peter) Zhu

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Experiences

Supervisor Sept. 2018 – Nov. 2019
The Captain's Boil Waterloo, ON

- Collaborated in teams or worked independently to provide friendly and efficient customer service
- Resolved customer concerns and issues quickly and respectfully to the satisfaction of all involved parties
- Managed opening and closing duties, including cash reconciliation, securing the restaurant and ensuring compliance of sanitation and safety regulations
- Delegated tasks to staffs according to their strengths, preferences and operational needs in order to keep operations running smoothly
- Managed and processed procurement of alcohol using corporate card to maintain stocking levels

Bioinformatics Web Developer May 2016 – Dec. 2016
Agriculture and Agri-Food Canada Ottawa, ON

- Designed and developed user-friendly search engine for an oligonucleotide database
- Provided users with easy and intuitive search with autocomplete, filters and other features built by JavaScript
- Automated and streamlined the process of updating the database and search engine whenever new results were produced
- Implemented a login page for users in order to store their individual search profiles using PHP and MySQL

Programming Intern Sept. 2015 – Dec. 2015
Yellow Pages – RedFlagDeals.com Toronto, ON

- Fixed bugs from existing pages and implemented enhancements that significantly improved web functionality and speed
- Constructed responsive and user-friendly templates, including optimized categories page that increased user clicks
- Implemented integration tests with Behat/Mink and PHPUnit using mock objects and dependency injection
- Improved efficiency, executable size and readability of previously crudely maintained code modules through code refactoring, optimization and documentation
- Worked in Agile development environment using Scrum methodologies

Bioinformatics Software Developer Jan. 2015 – May 2015
Agriculture and Agri-Food Canada Ottawa, ON

- Designed a Perl based pipeline for identification of RNA sequences
- Built Bash scripts to accurately and efficiently parse large amounts of RNA sequencing data to match a multitude of stringent requirements
- Conducted research on the available procedures for taxonomic identification and automated those procedures using Bash
- Prepared and presented concise presentations of computational results to supervisor and head scientist
- Kept up to date on new computational methodologies and integration into the pipeline as appropriate

Education

Bachelor of Mathematic Studies Graduating August 2020
University of Waterloo Waterloo, ON

- Specializing in Computing
- Recipient, Waterloo Merit Scholarship

Skills & Interests

Technologies: HTML, CSS, JavaScript, Bash, Python, Perl (proficient); SQL, PHP, LaTeX (experienced)

Tools: R, MySQL, Microsoft Office (proficient); Adobe Photoshop, Adobe InDesign (experienced)

Languages: English, Mandarin (fluent); French (basic)

Interests: Powerlifting; Bodybuilding; Dragonboat; Muay Thai