Fred Soren Wong

Toronto, ON
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linkedin.com/in/fred-s-wong

Software Developer
Technical Writing | Project Planning | Research

- A student of software engineering, specializing in Health Informatics Technology
- Exceptional data analysis and research skills developed through industry experience & academia
- Skilled in user-oriented design, with working knowledge of Agile and DevOps practices
- Adept at oral and written communications to technical and public audiences
- Familiar with the structure of healthcare information systems, data security and privacy
- Excellent project planning and organization skills to consistently meet deadlines
- High attention to detail to discern trends in data and ensure error-free work

Technical Skills

Programming:	C#, C++, .NET, Python, R, Java, JavaScript, TypeScript, Node.js, Angular, MongoDB, CUDA, SQL/PL, CSS, HTML
Software & Tools:	Microsoft Office, Visual Studio, SQL Developer, JIRA, Confluence, GitHub
Operating Systems:	Windows, Linux (RHEL, CentOS, Ubuntu)

Education

Software Engineering Technology - Health Informatics Advanced Diploma　　Sept 2021 - Present
Centennial College, Toronto, ON　　　　　　　　　　　　　　　　　　　　　　*GPA: 4.5/4.5 (A)*

Relevant Courses:

Structure of HCIS	Software Systems Design	Client-Side Web Development
Web Interface Design	Advanced Databased Concepts	Web Application Development

Master of Science - Chemistry　　　　　　　　　　　　　　　　　　　　Sept 2016 - Apr 2019
York University, Toronto, ON

- Publication, Co-author: Young, C. J., Wong, F. S., & Persaud, D. (2022). Halogenated Organics in the Cryosphere. In *Chemistry in the Cryosphere* (Vol. 3, pp. 621–648). World Scientific. https://doi.org/10.1142/9789811230134_0012

Academic Projects

Web Design – JavaScript, Node.js, Angular, MongoDB, HTML, CSS

- Designed a responsive, user-oriented administration website for customer support to create, update, and resolve incident tickets

Software Requirements and Design Specification

- Collaborated to plan and compose SRS and SDS documents for an electronic health record (EHR) mobile app that matches pet owners with veterinarians and facilitates pet health management

Fractal Visualization – CUDA, C++

- Created a fractal generator that allows users to select parameters to create unique Julia set fractals

Experience

Computer Technician　　　　　　　　　　　　　　　　　　　　　　　　Feb 2016 - Present
Self-Employed (Freelance), Toronto, ON

- Diagnosed and troubleshot hardware and software issues on legacy and modern Windows systems
- Supported, repaired, and replaced computer hardware and peripherals
- Administered aide onsite or offsite using remote access software (TeamViewer)
- Logged issues in ticket support systems and updated tickets upon resolution
- Provided technical advice and training to a 20+ client base

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Research & Innovation Chemist (Assistant Lead)   Apr 2020 - Apr 2021
Crystal Claire Cosmetics Incorporated, Toronto, ON

- Developed and tested cosmetic products for leading international brands (i.e. Estée Lauder, L'Oréal)
- Validated and modified cosmetic formulations for client needs based on research and market trends
- Performed quality control in accordance with GMPs and international standards
- Documented formulas as physical copies and in ERP software for process control
- Collaborated with marketing and product managers to ensure client demands are integrated into new product development

Research Scientist and Technician   May 2019 - Dec 2019
Inkbox Ink Incorporated, Toronto, ON

- Established and streamlined SOPs and instructions of product processes and manufacturing, leading to a 10% reduction in production time of ink
- Performed research and testing on novel dyes and pigments for the development and application of new tattoo products superior to competitor market
- Formulated dyes, pigments, cleansers, and creams for Inkbox product ecosystem
- Produced and performed QA/QC of ink products in full cGMP-compliance
- Maintained laboratory inventory, equipment, and workspace to ISO 9001 standards
- Communicated with managers and vendors to order equipment, reagents and fulfill purchase orders

Relevant Interests

- Volunteering with *Let's Talk Science* to engage the public with STEM through community events, demonstrations, and presentations, and to foster partnerships with educational institutions
- Video game design and creation using Unity and Blender
- Media creation using Adobe Photoshop and DaVinci Resolve