

# Kelly Huang

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<https://kelly1040.github.io>

## Education and Certifications

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- **B.Sc. Computer Science**, Oregon Statue University, United States **2023-Present**  
GPA: 4.0 | Relevant coursework: Data Structures, Algorithms, Web Development, Databases, Operating Systems
- **BA.Sc. Chemical Engineering**, University of Waterloo, Canada. **2015–2020**

## Technologies and Languages

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- Languages: Python, C, SQL, HTML, CSS, JavaScript, MATLAB
- Technologies: React, Node.js, MongoDB, MySQL, Git/Github

## Work Experience

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### Process Engineer

Cosmetica Laboratories Inc. (Toronto, Canada)

**May 2020 - Jun 2023**

- Provided technical expertise to operations team through all stages of production; conducted training sessions to the operations team to maintain and improve product quality
- Collaborated with cross-functional teams, clients, and vendors for multi-million dollar product launches; conducted comprehensive risk assessments, led pilot trials and oversaw the successful completion of every project phase under tight deadlines
- Led the implementation of a fully-automated packaging line, enhancing manufacturing efficiency and ensuring superior product quality; achieved a 60% reduction in labor requirements

### Process Engineering Student

Cosmetica Laboratories Inc. (Toronto, Canada)

**Jan - April, Sept - Dec 2019**

- Spearheaded the introduction and implementation of the KANBAN system to operations, planning, and supply chain teams, reducing communication gaps between departments, and optimizing the tracking of existing orders
- Assisted Project Engineers in multiple CAPEX projects and have exposure with project execution areas such as vendor selection, creating business cases and creating project schedules

### Additive Manufacturing Research Assistant

MSAM (Waterloo, Canada)

**Sep - Dec 2017**

- Utilized MATLAB for pore analysis process of nano-CT scanned samples; reduced image analysis time by 60% through automation of process
- Demonstrated exceptional multitasking skills in managing project deadlines, efficiently prioritizing tasks, allocating resources, and acting as a liaison between the team and client to present relevant findings

## Projects

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### Café Management System

*HTML, CSS, JavaScript, Express, Node.js, MySQL, Handlebars*

- Collaborated as a team of two to create a web-based café management system
- Used Node.js and Express to provide CRUD functionality to communicate with a MySQL database to manage products, recipes, stock inventory and suppliers, as well as customer info and order details
- Utilized JS, CSS, and handlebars to implement an easy-to-use frontend
- Created a database system that handled multiple M:M relations, utilized dynamic dropdowns to improve user experience