

Kritika Mehta

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EDUCATION

UNIVERSITY OF WATERLOO
BIOMEDICAL ENGINEERING
CANDIDATE FOR BACHELOR
OF APPLIED SCIENCE (BASc)
Expected April 2021 | Waterloo, CA

LINKS

Github:// k27mehta
LinkedIn:// kritikamehta21
Food Blog:// eggcusemydiet
Women in Engineering:// KritikaMehta

SKILLS

PROGRAMMING

Over 5000 lines:
R • JavaScript • CSS • C • C# •
LaTeX • C++ • MATLAB
Over 1000 lines:
VBA • Python • Java
Familiar:
Android • MySQL • Turing
Frameworks:
Bootstrap • jQuery Version
Control System: Git

SOFTWARE PROGRAMS

Advanced
SAP ERP (Enterprise Resource
Planning) • SAP RD (Recipe
Development) • SharePoint •
SolidWorks • Microsoft Suite
Intermediate:
AutoCAD • Photoshop • Sketch
Novice:
Android Studio • Microsoft Visio

CERTIFICATIONS

Hardware and Software
Validation - Dynacare
Lean Six Sigma White Belt
CPR & Standard First
Aid G2 Driver's License
BollyX Trainer WHMIS

RELEVANT COURSES

Algorithms and Data Structures
Digital Computation (C# & C++)
Biomedical Design (Arduino & SolidWorks)
Linear Algebra (MATLAB)
Statistics (R language)
Digital Imaging (Adobe Photoshop)

WORK EXPERIENCE

BIONICS LAB | STUDENT RESEARCHER INTERN

September 2017 - Present | Waterloo, ON

- Working with Dr. Ning on an industrial research project to develop a electroencephalogram (EEG) solution using OpenBCI

WOMEN IN ENGINEERING | PEER LEADER

August 2017 - Present | Waterloo, ON

- Assisting and supporting first year female students in academics and successful transition experience into university

MAPLE LEAF FOODS | QUALITY ASSURANCE SPECIALIST

April 2017 – Sep 2017 | Mississauga, ON

- Coded a macro that improved efficiency of inputting data from 40 data sets to 140 data sets (three-fold increase)
- Applied web standards and guidelines using CSS(3), HTML(5), JavaScript, jQuery, and JSON to implement front-end models for several micro sites under mapleleaffoods.com
- Integral part of a diverse, cross-functional team that analyzed the company's SAP Recipe development and Enterprise Central Component
- Designed personas, user journey maps, task flow maps, and wireframes to improve existing web user experience in the workplace

HOSPITAL OF SICK CHILDREN | STUDENT RESEARCHER INTERN

April 2016 - September 2016 | Toronto, ON

- Worked with PhD students to research the role of fractalkine, blood vessel wall protein produced in inflamed tissues in Lisa Robinson's Lab

GOVERNMENT CONSUMER SERVICES | STUDENT INTERN

April 2016 – September 2016 | Toronto, ON

- Responsible for screening high priority mail by writing queries and scripts and coordinated with clients to ensure accuracy of excel data

RONA | PAINT ADVISOR

May 2014 - September 2015 | Toronto, ON

- Increased consumer sales by 1.2 % over the course of 3 months
- Communicated with coworkers to manage data of customer sales
- Able to adapt to using paint software and technology in order to mix paint

SIDE PROJECTS

HEMLIT | CIPHER HACKATHON - 1ST PLACE

August 2017 | Tools used: Arduino C, Raspberry pi, C#, Electrical components
Worked on Hemlit, a helmet that includes a LED signaling system for night time cycling. HelmLit increases cyclist security by eliminating the issue of low visibility. Built a real-time physical Bluetooth controller to allow wireless input of signaling.

PLACKSMACKER | DESIGN PROJECT

January 2017 | Tools used: SolidWorks, Arduino C, 3D Modelling
Developed a stabilizing toothbrush designed to help people with hand tremor, which may be related to Parkinson's disease, brush more easily. Used actuators and sensors to actively detect and counteract the tremor.

VOLUNTEER

2016-Present	UW TOASTMASTERS	Public speaker & presenter
2015-Present	FOOD ADVISORY BOARD	Mystery shopper & representative
2015-Present	BollyX FITNESS	Bollywood dance instructor