victoriacheng.me

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victoriacheng

Through innovation and design, I aspire to provide individuals with opportunities and improve their life experiences.

I believe in using engineering to not only create interesting new technologies, but also to create user-friendly solutions where they are needed most.

As an aspiring engineer, I plan to launch ideas focused on user-centered design, accessibility, and adaptability.

SKILLS

Computer Literacy

Python | C | C# | HTML | CSS | Microsoft Azure Technology | MATLAB

Languages

English | French | Mandarin

Media

Adobe Creative Suite | SolidWorks

HOBBIES & INTERESTS

VICTORIA CHENG

BASc in Engineering Science Candidate, Class of 2019 | University of Toronto, Ontario, Canada

WORK EXPERIENCE

PRODUCT MANAGEMENT & SOFTWARE DEVELOPMENT INTERN

SQL Server for Linux Team, Microsoft — Seattle, WA | May '17 - Aug '17

- Through customer interviews, identified the need for an automatic meeting note-taker to increase productivity and extend cooperative information-sharing within Microsoft
- Implemented speech-to-text technology in a web application with Azure technology
- Coded backend file storage system, as well as designed and developed front-end
- Previewed application to 214 employees, generating 51+ users and 400+ pageviews

PROSTHESIS RESEARCH ASSISTANT

PROPEL Lab, Bloorview Research Institute — Toronto, ON | May '16 - Aug '16

- Designed, developed, and tested a portable electronic sensor system to monitor the walking control function of an automatic lock mechanism in the all-terrian prosthetic knee
- 1 of 23 selected out of 2000+ applicants to the Bloorview Summer Research Program
- Awarded $4800 through U of T Summer Research Opportunities Program
- Presented and published abstracts for 3 research conferences

TECHNICAL PROJECTS

AUTONOMOUS BATTERY-SORTING ROBOT — Jan '17 - May '17

- Won first place at annual robotics course competition out of 24 robots
- Designed and manufactured machine that sorted batteries based on type and charge
- Implemented digital and analog circuitry between microcontroller, sensors, and actuators

BREAK INEQUALITY HACKATHON FINALIST — Nov '16

- Designed and implemented the front end for web app that assists community healthcare workers in Bangladesh to prioritize their home visits based on patient health status

LEADERSHIP EXTRACURRICULARS

DIRECTOR OF NATIONAL CONFERENCE OPERATIONS

Women in Science & Engineering, University of Toronto Chapter — May '16 - Jan '17

- Organized a 2-day national conference for 220+ delegates from across Canada
- Communicated conference requirements between venue, catering, and AV partners

SPIRIT COMMITTEE PROJECT MANAGER

Blue & Gold Spirit Committee, University of Toronto — Nov '15 - Jun '16

- Coordinated Winter Spirit Week for 1000+ University of Toronto engineering students
- Designed and built a Rube Goldberg Machine in honour of National Engineering Month
- Organized and led a power tools workshop for 56 students to collaboratively create a giant 3D tetris board game and get hands-on building experience for design projects

MARKETING & DESIGN DIRECTOR

Undergraduate Engineering Research Day, University of Toronto — May '16 - Aug '16

- Executed marketing campaign that resulted in 23% increase in conference applications
- Refreshed conference brand by designing new logo and creating graphics and posters

EDUCATION

UNIVERSITY OF TORONTO — Toronto, ON | Sept '15 - Current

- Robotics Engineering & Business; CGPA: 3.73 out of 4.0; Recipient of $14 000 in scholarships

AWARDS & RECOGNITION

- Google Travel Grant Recipient for 2017 Grace Hopper Conference (approx. $2000 value)
- Duke of Edinburgh Gold Award for Community Involvement and Leadership
- Art displayed in the National Art Gallery of Canada in 2013 and 2014
- Canadian Glider Pilot License and Passenger Rating