Chao Ching (Diana) Chang

📱 (650) 250 - 9523 | ✉ diana.chang@edu.uwaterloo.ca | 🏠 DChang87.github.io | 🐙 DChang87 | in chaochingchang

Technical Skills

Proficient Python, Java, C/C++, HTML/CSS, Android Studio, JavaScript, Racket
Familiar Tensorflow, Google Apps Script, Firebase, Git, Golang

Work Experience

Salesforce SOFTWARE ENGINEERING INTERN   *Bellevue, Washington* Jan - Apr 2018
- Working on the Computing team to build tools that improve Salesforce's infrastructure with **Golang**, **Docker**, **Kubernetes**

Google ENGINEERING PRACTICUM INTERN (CODE JAM TEAM)   *Mountain View, California* May - Aug 2017
- Built a **Tensorflow** model that succeeded in finding more cheating submissions than the existing cheating detection system
- Improved how data is stored and displayed in the cheating detection pipeline (**Flume**-based distributed system) with **C++** and **Python**
- Wrote **Python** scripts to automate laborious and repetitive tasks previously done by the human judges while reviewing submissions
- Worked with **Google Apps Scripts** and the CodeJam Programs team to automate parts of the T-shirt prize distribution process
- Wrote a **Shell** script that backed up all 26 contestant's files over **SSH** every 20-40 minutes at Code Jam World Finals
- Authored and prepared one of the problems best received by the participants in the Code Jam Kickstart Recruiting Contest

Brave Control Solutions STUDENT DEVELOPER INTERN (2 INTERNSHIPS)   *Windsor, Ontario, Canada* Aug 2015 & Jul 2016
- Assisted in creating the first and efficient routing algorithm in **JavaScript** for an automated parking garage project
- Containerized some of the micro-services in the garage project with **Docker**

Education

University of Waterloo   2016 - 2020 (Expected)
- Honours Bachelors of Computer Science

Projects

EmergiCare   Hack the North 2016
- Won "Best use of Canadian Open Data", awarded by Canadian Open Data Exchange
- Built an Android Service that fetches and texts a 911 emergency service with the location of the caller as a 911 call is initiated

LIBestimote   HackWestern 2
- Android application that utilizes Estimote beacons to improve the check-out process and navigation at libraries
- Integrated the Estimote SDK with the Android application to detect the location of the user

SmartMeds   Hack the North 2015
- Android, Pebble & web project with Firebase that updates a patient's prescription in real time and reminds them to take their medicine

Leadership Activities

Hack the North LOGISTICS COORDINATOR   *Waterloo, Ontario* Feb 2017 - PRESENT
- Led the Logistics team for two weeks when the team lead was unavailable to do so, coordinating all Logistics tasks during this time
- Leading a team of 5 to ensure the smooth and seamless check in of over 1000 hackers from around the world
- Spearheading effort to acquire any hardware resources necessary for hackers to succeed at the event
- Working with peers and vendors alike to deliver custom-built swag in a reliable and timely manner

MasseyHacks I & II DIRECTOR   *Windsor, Ontario* Dec 2015 - May 2016
- Led a team of 14 students to coordinate Canada's first Major League Hacking high school hackathon
- Brought together over 200 high school students across Ontario and Michigan for a 30-hour event
- Reached out to various local and international companies and raised over $13,000 in sponsorship

Awards

2016 **CIBC National Scholarship** Largest of 11 national scholarships for exceptional first year students at UWaterloo
2016 **USA Computing Olympiad** Platinum Division (Highest Division)
2016 **Canadian Mathematical Olympiad (CMO) Qualifying Repêchage** Invitation-only qualifier contest for the CMO
2015 & 2016 **American Invitational Mathematics Examination** Invitation-only qualifier contest for the USA Math Olympiad