LINDA ZHENG

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- o Experience with C, C++, Java, Python, HTML and CSS programming
- o Exceptional problem-solving skills which stem from an interest in math contests
- o Well-developed understanding of teamwork from organizing events and leading volunteers

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AWARDS

2017, 2018 ECOO Programming Contest City-Wide Top Female Team

2015 ~ 2018 Four-Time American Invitational Mathematics Examination (AIME) Qualifier

2016, 2017 MIT Math Prize for Girls Qualifier

2016 American Mathematics Contest (AMC) 10A Top Female in Canada

2016, 2017 Canadian Open Mathematics Challenge (COMC) Repêchage Qualifier

2018 Math Kangaroo Third Score in Canada

2018 Euclid Top 5% (Score of 87) in Canada

2018 American Regions Mathematics League Team Canada Member

2018 Royal Conservatory of Music Grade 10 Diploma with First Class Honours

2018 IB Diploma (Score of 40)

2017 DELF B2 (Score of 82)

2017 SHAD Alumna

PROJECTS

Smartphone Controlled Drone   **Sept. 2018 – Present**
- o Developed an Android app for remote control using Java on Android Studio
- o Designed and implemented a web server on a NodeMCU which communicates with an Arduino UNO using C
- o Designed the wiring and soldered the components of the drone

MNIST Handwritten Digit Recognition   **July 2018 – Present**
- o Studied and analyzed convolutional neural networks (CNN)
- o Trained a neural network to recognise handwritten digits using TensorFlow
- o Developed Python-based convolutional layers and optimized training which achieved 99.2% accuracy

HTBC Badminton Club Web Development   **Sept. 2014 – June 2018**
- o Collaborated with the marketing team to design create an online photo gallery which boosted website views by 8%
- o Implemented a search bar using Google Visualizations API Query Language
- o Developed a fully-automated online payment system to allow remote registration using JavaScript

EXPERIENCE

Hack the North, *Avid Volunteer*   **Sept. 2018**
- o Welcomed participants to Waterloo University
- o Served food, announced events and helped organize the massage event

DECA, *Colonel By DECA Club Co-president*   **May 2017 – May 2018**
- o Organized weekly meetings and seminars to prepare over 150 club members for business case competitions
- o Planned and supervised a three-day trip to the provincial case competition

Operation Med School, *Ottawa Co-president*   **Dec. 2016 – May 2018**
- o Led a team of 10 high school students in the organization of the inaugural Ottawa-region full-day conference for over 180 students
- o Obtained over $5K in sponsorship money and secured a free venue by contacting various businesses

The Ottawa Hospital, *Volunteer Shift Leader*   **June 2016 – Dec. 2017**
- o Delegated information desk and gift shop duties to other volunteers to meet the visitors' needs
- o Trained new volunteers in patient look-up software and cash register operations to ensure that quality service is provide