

Lucy Jing

ljing@princeton.edu | 609.865.0874

EDUCATION

PRINCETON UNIVERSITY

B.A. IN COMPUTER SCIENCE

Expected May 2020 | Princeton, NJ

Major GPA: 3.8

Cum. GPA: 3.7

BAYVIEW SECONDARY

INTERNATIONAL BACCALAUREATE

Grad. May 2016 | Richmond Hill, Canada

IB score 45/45

COURSEWORK

UNDERGRADUATE

Algorithms and Data Structures

Systems Programming

Cryptography

Probability and Combinatorics

Graph Theory

Linear Algebra

Functional Programming

Contemporary Logic Design

Information Security

Economics and Computing

Distributed Systems (upcoming)

SKILLS

PROGRAMMING

Familiar:

C • C++ • Java • Python • Shell • LaTeX

HTML • CSS • Javascript • SQL • Ocaml

Acquainted:

Assembly

CREATIVE

Adobe:

Photoshop • Lightroom • Bridge

Acrobat • InDesign • Illustrator

EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN

June 2019 - Present | Waterloo, ON

- Helped migrate services from an external cloud service to a Google internal one
- Maintained and added pipeline metrics to measure pipeline fitness and improve latency
- Created validators and tests to ensure correctness of data processing

NOVUMIND | SOFTWARE ENGINEERING INTERN

Aug 2018 - Sep 2018 | Santa Clara, CA

- Wrote testing examples that demonstrated neural net training jobs running on Novumind's training servers in PyTorch, Keras, TensorFlow
- Automated testing pipeline using Jenkins
- Developed a commandline interface for Novumind's python client demo

DELL EMC | DIGITAL TRANSFORMATION CONSULTANT INTERN

May 2018 - Aug 2018 | Toronto, ON

- Attended meetings and visited client sites to learn about digital transformation and the consulting process
- Consolidated information on clients to build project deliverables, such as presentations outlining suggested client IT improvements

PRINCETON UNIVERSITY CS DEPARTMENT | TA & GRADER

Jan 2017 - May 2018 | Princeton, NJ

- Quickly analyzed and debugged students' code to pinpoint mistakes
- Provided suggestions to students on how to correct their programs and code more efficiently

ASHINAGA | EDUCATION SUPPORT INTERN

Jun 2017 - Sep 2017 | Tokyo, JP

- Provided educational support to students by teaching lessons in English, computer science, French, etc.
- Increased students' entrepreneurial leadership skills, and interest in foreign education

RESEARCH AND PROJECTS

MOBILE VR: A SECURITY AND PRIVACY EVALUATION OF THE OCULUS GO

JUNIOR THESIS

May 2019

Published through Princeton's Center for Information Technology Policy, researched and wrote a junior thesis evaluating the security and privacy of the Oculus Go device using man-in-the-middle attacks and packet analysis.

CIPHERTEXT DECRYPTION

Feb 2018

Created a group of programs to crack ciphers and decrypt ciphertexts. Encryption schemes cracked included simple substitution ciphers, Vigenere ciphers, homophonic ciphers, column transposition ciphers, and one time pad (when given more than one message). Written in C and Python.