

Andy Lin

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EDUCATION

York University

June 2023

BSC Spec Hons. Computer Science (Software Development)

RELEVANT COURSEWORK

Courses: Discrete Math, Advanced OOP, Data Structures, Design and Analysis of Algorithms, OS Fundamentals, Software Design, System Specification and Refinement, UI/UX, Machine Learning

Awards: 4x Dean's Honor List. Graduated With First Class Standing.

EXPERIENCE

York University | *Lab Assistant EECS 3342*

September 2022 - August 2023

- Coordinated the setup and organization of the lab sessions
- Was responsible for devising engaging laboratory assessments in alignment with curriculum objectives
- Conducted lab sessions to address student inquiries
- Collaborated on the creation of lab test assessments

PROJECTS

LearningOOP | *Angular, Spring, PostgreSQL, Gradle*

- A collaborative capstone project built using Angular, PostgreSQL, and the Spring framework
- Designed user-friendly platform akin to LeetCode and CodingBat for OOP skill enhancement
- Enhanced it with OOP problems involving multiple classes
- Developed a feature to allow instructors to quickly create problems through a visual interface

CrystalOptical | *Angular, Spring, PostgreSQL, Gradle*

- Led a team of four to develop an eyeglasses e-commerce site.
- Implemented key features, including a virtual try-on, seamless purchasing, real-time order tracking, and an integrated online chatbox
- Implemented security measures by configuring Spring Security to encrypt passwords and manage login tokens

ArbBot | *node.js, discord.js*

- Created a Discord bot that benefits sports betting by leveraging an API to aggregate odds from various sportsbooks
- Introduced a odds command for comprehensive odds display
- Developed a arb command for identifying arbitrage opportunities
- Innovated a freebet feature for optimizing free bet conversion

RedPocket | *Angular, Spring, MongoDB, Maven*

- Designed Redpocket, a web platform inspired by WeChat's Redpacket feature
- Reimagined for users of e-transfers, Venmo, and Cash App
- Implemented options for recipients to claim portions or receive random values from red packets

SKILLS

Languages: C/C++, Java, Python, JavaScript/TypeScript, HTML/CSS, SQL, L^AT_EX

Frameworks and Database: Angular, Git, Spring, SpringBoot, Node.js, Docker, Gradle, Maven, MongoDB, PostgreSQL