CHING-YUAN (TERRY) CHOU

3rd Year Computer Science (BCS) Major @ UBC

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📍 Vancouver, Canada

🧠 TECHNICAL SKILLS

Languages *(Java, C++, C, Python, Racket)* | **Front-End** *(JavaScript, React.js, HTML, CSS, Material UI)*

Developer Tools *(Git, GitHub, JSON, IntelliJ, Visual Studio, VS Code, Jupyter, Swing)* | **Back-End** *(MongoDB, Express.js, Node.js)*

🎓 EDUCATION

University of British Columbia (UBC) 🔗   Sep 2022 – May 2025
Bachelor of Computer Science (BCS)   (expected)
- BCS GPA: 4.00   Vancouver, Canada
- Relevant Coursework: Basic Algorithms and Data Structures (93%, **C++**), Computation, Programs, and Programming (94%, **Racket**)

University of British Columbia (UBC) 🔗   Sep 2014 – May 2019
Bachelor of Science in Food, Nutrition, and Health   Vancouver, Canada

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📁 TECHNICAL PROJECTS

Social Pulse (Full Stack) 🔗   Jul 2022 – Sep 2022
React.js, JavaScript, CSS, Material UI, Firebase
- Built a social media app using **React.js** with **User Authentication** for account login/sign-up.
- Implemented functionalities such as file uploads, commenting, and liking/unliking posts.
- Employed **Firebase** for back-end database hosting and online application deployment.
- Designed interactive **User Interface** using **JavaScript**, **Material UI**, **HTML**, and **CSS**.

Dinder(Full Stack App) 🔗   Jun 2022 – Aug 2022
MongoDB, Express.js, React.js, Node.js, Material UI, Firebase Hosting
- Developed a dating app using **MongoDB, Express.js, Node.js, and React.js (MERN) Stack**, enabling users to swipe left or right based on profile pictures and programming languages.
- Created front-end with **React.js** and designed interactive **User Interface** with **Material UI**.
- Adopted **MongoDB** for data storage, and used **Mongoose** to connect database to application.
- Employed **Node.j**s for back-end framework, and **Express.js** to build server-side logic.

MovieMe (Desktop App) 🔗   Feb 2022 – Apr 2022
Java, JSON, JUnit, Swing
- Developed a desktop app with **Java** allowing users to manage their movie collection by adding/removing any number of films to/from either a "to-watch" or a "watched" list.
- Employed **JSON** data format for data persistence to save and load movie lists to/from files.
- Utilized **JUnit 5** for **Unit Testing** and **Swing** library to develop **Graphical User Interface (GUI)**.

💼 WORK EXPERIENCE

Computer Science Teaching Assistant   Jul 2021 – present
University of British Columbia 🔗   Vancouver, Canada
- Lead 3 weekly labs for the Computation, Programs, and Programming course, mentoring 90+ students and guiding them through 50+ programming design problems using Racket, resulting in 90% TA assessment scores.
- Collaborate with a teaching team of professors and TAs in weekly meetings to enhance programming design learning for over 800 students.
- Invigilated CPSC 110's first-ever computer-based in-person examination with over 200 students.

Community Service Specialist   Jun 2020 – present
Community Living British Columbia 🔗   Richmond, Canada
- Facilitate special needs people to develop 5+ communication skills to function in communities.
- Assist special needs people in replacing 20% of harmful behaviours with beneficial ones.

Academic Tutor   May 2012 – present
Home Tutoring   Richmond, Canada
- Demonstrated mathematical abilities in assisting students to achieve grades of over 80%.
- Conducted review sessions which contributed to an increase of 10% in students' grades.