# TONY **LIU**

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## SKILLS

**PROGRAMMING LANGUAGES**
- C, C++, *C#, JavaScript, Java

**WEB TECHNOLOGIES**
- HTML, CSS, TailwindCSS, DaisyUI, Node.js (Express.js, EJS, etc.), jQuery, *.NET, React.js

**DATABASES**
- Oracle SQL, PostgreSQL, MongoDB

**SCRIPTING**
- Shell Scripting (Linux/Windows)

**VERSION CONTROL & TOOLS**
- Git, GitHub, Visual Studio 2022, Visual Studio Code

**OTHER**
- Microsoft Office Suite, Google Suite, Bilingual (Cantonese, English)

*Currently learning

## PROJECTS

**MOVIES,** HTML, CSS, JAVASCRIPT, EXPRESS.JS, REACT.JS, TAILWINDCSS, DAISYUI
- Designed and deployed full-stack single-page movie application (SPA) with trending, genre-based, and searching functionality
- Built backend API Routes with Express.js to fetch data from The Movie Database API
- Developed responsive React frontend with TailwindCSS and DaisyUI, utilizing custom hooks for data fetching and state management
- Implemented dynamic UI components such as modals, carousels, and genre filters

**PORTFOLIO,** HTML, CSS, JAVASCRIPT, EXPRESS.JS, EJS, JQUERY, POSTGRESQL
- Designed and deployed a personal portfolio showcasing projects with Express.js for backend routing and EJS for templating
- Implemented user authentication, using PostgreSQL for secure data storage and dynamic rendering of a Wishlist project using jQuery
- Configured email functionality with NodeMailer for contact form submissions

**PATIENT TRIAGE SYSTEM,** C++
- Developed interface for patient admission and registration
- Updates average wait times based on number of patients in queue
- Allows entry and removal of patient information through dynamic arrays
- Enabled data persistence through file-based input and output operations

# EDUCATION

**2023 – 2024**
**COMPUTER PROGRAMMING – ONTARIO COLLEGE DIPLOMA,** SENECA POLYTECHNIC

**2017 – 2019**
**BACHELOR OF COMMERCE (HONOURS),** UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY

**2013 – 2016**
**CIVIL ENGINEERING TECHNOLOGY – ONTARIO COLLEGE ADVANCED DIPLOMA,** GEORGE BROWN COLLEGE

# EXPERIENCE

**SEPT. 2022 – AUG. 2023**
**COST CONSULTANT,** FINNEGAN-MARSHALL
- Developed estimates for High-Rise construction valued at up to $180 Million
- Managed 3 junior consultants
- Produced 30% more estimates than colleagues on average per month
- Co-ordinated with clients to gather requirements, and reconcile budgets as needed
- Performed takeoffs as per the 50 Divisions of Construction (CSI's MasterFormat) for High-Rise projects
- Implemented updates for estimates as per change orders, and drawing revisions
- Co-ordinated with subcontractors to receive quotes and/or unit rates for estimates

**NOV. 2021 – JULY 2022**
**ESTIMATOR,** FIELDGATE CONSTRUCTION MANAGEMENT
- Developed estimates for commercial, retail, and residential projects valued at up to $80 Million
- Performed takeoffs as per the 50 Divisions of Construction (CSI's MasterFormat) for commercial, retail, and residential projects
- Assisted in development and maintenance of directory of subcontractors and historical pricing database
- Co-ordinated with subcontractors to receive quotes and/or unit rates for estimates

**JAN. 2020 – NOV. 2021**
**JUNIOR ESTIMATOR,** CLARK CONSTRUCTION MANAGEMENT
- Assisted in developing estimates for High-Rise construction valued at up to $300 Million
- Implemented updates for estimates as per change orders, and drawing revisions
- Co-ordinated with subcontractors to receive quotes and/or unit rates for estimates
- Assisted in the preparation of tender submissions
- Performed takeoffs as per the 50 Divisions of Construction (CSI's MasterFormat) for High-Rise projects