Christopher Lewis

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EDUCATION

Sheridan College — April 2023
Advanced Diploma, Software Development & Network Engineering — *GPA: 4.0*

University of Toronto — April 2018
Bachelor of Engineering in Civil Engineering

AWARDS

Jonathan Campbell Memorial Award: Awarded for having the highest GPA in the program upon graduation (2023)

EXPERIENCE

Business Systems Analyst Intern — May 2022 – Aug 2022
TD Bank
- Implemented SQL query changes to decrease query response time by 20% for customer information
- Helped run Agile stand-up meetings and retrospectives along with creating epics and user stories
- Created and updated documentation in Confluence to maintain business knowledge amongst group restructuring

Security Software Labs Intern — Sept 2021 – Dec 2021
BlackBerry
- Collaborated with 10+ BlackBerry partners to create cybersecurity packages estimated to generate millions in revenue
- Tested BlackBerry cybersecurity defense software against industry leading breach and attack simulations consisting of over 1000 different threats
- Set up and maintained 20+ virtual machines (Windows and Linux) to create testing environments for security software

Quotations & Lighting Controls Specialist — July 2018 – Aug 2019
Acuity Brands
- Designed lighting control systems for 100+ projects based on engineering drawings and requirements
- Assisted customers in creating lighting solutions personally driving over $2 million in revenue annually

PROJECTS

YouTube Clone | *Typescript, Next.js, Node.js, Express.js, Firebase, Google Cloud Platform, Docker*
- Developed a full-stack web application mimicking the upload and watch features of YouTube
- Allows users to sign in using their Google account via Firebase authentication
- Processes user videos using FFmpeg in an Express.js back-end, storing the videos in Google Cloud Storage and the metadata in Firestore Database
- Deployed the application using Docker containers to Google Cloud Run

Facial Recognition Application | *JavaScript, React.js, Node.js, Express.js, PostgreSQL*
- Developed a full-stack web application where users can enter images to highlight the image's face
- Uses the Clarifai Face Recognition API to determine face coordinates before updating the image on the user's front-end to visually reflect it
- Store user credentials in a PostgreSQL database with passwords encrypted using bcrypt

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C#, Kotlin, Swift, SQL, NoSQL, HTML/CSS
Frameworks: React, Node.js, Express.js, Next.js, Tailwind, LangChain
Developer Tools: Git, Docker, AWS, Google Cloud Platform, Firebase, PostgreSQL, MongoDB, VS Code, Linux