# TANREET DHALIWAL

2022 SWE Graduate Seeking Full Time Roles in Full Stack/Backend/Frontend/Mobile

647-702-7568
tdhali@uwo.ca
tanreetd.github.io/website/

## EDUCATION

**Western University**                                                                                    Sept 2018 to April 2022
Bachelor of Engineering Science in Software Engineering                                                   London, ON
**Relevant Courses:** Data Structures and Algorithms, Database Management, Operating Systems, Computer Networking, Web Technologie3 s, Software Construction, Human-Computer Interface Design

## TECHNICAL SKILLS

**Frontend:** React, Redux, Angular, Ionic, Javascript, Typescript, HTML, CSS, Sass, Bootstrap
**Backend:** Java, Go, Ruby, Ruby on Rails, C#, Node.js, MongoDB, PostgreSQL, Google Cloud Functions, AWS, REST
**Other Tools and Testing:** Git, Pandas Library, Jest, Circle CI, JIRA, Docker, Kubernates

## WORK EXPERIENCE

**Cisco Meraki**                                                                                          Sept 2021 to Dec 2021
Software Engineering Intern                                                                               San Francisco, CA

• Incoming backend software engineering intern on Meraki Vision - Cameras team

**Coinbase**                                                                                              May 2021 to Aug 2021
Software Engineering Intern                                                                               San Francisco, CA
• Created an NDA feature from scratch that will be launched on mobile to **200,000+ Coinbase Card customers** this fall
• Programmed a payment service to securely transfer cryptocurrency from a user's account to a selected entity
• Designed relational database schema, wrote SQL queries and developed REST APIs for backend and client integration
• Built out mobile screens in React Native and set up navigation, state and custom React hooks for frontend
• Documented project in detailed technical design doc to communicate with internal and external stakeholders

**Barnacle Systems**                                                                                      Sept 2020 to Dec 2020
Software Developer Intern                                                                                 Victoria, BC
• Shipped a new end to end mobile feature that allows customers to monitor live battery levels of sensors on boats
• Constructed API endpoints to support product deletions/resets on backend database simplifying user off boarding
• Worked on an automated command line interface tool by transferring configuration data from a HTTP web request onto firmware to **decrease installation time to 15 seconds** for customers and augment developer productivity

**Quicktab Technologies**                                                                                 April 2020 to Aug 2020
Software Engineering Intern                                                                               Toronto, ON
• Developed core user features and system architecture for contactless dining platform that was piloted in **2 restaurants**
• Created fully responsive frontend screens on mobile and web with modal views, animations and reusable components
• Executed asynchronous database queries to retrieve live orders while **reducing read/write operations by 60%**
• Remodelled state architecture in Redux to increase code reusability and improve data flow across entire application
• Identified customer demand for faster service speeds by triaging feedback data and scoped a live ordering feature

## TECHNICAL PROJECTS

• TA Tinder: Built application using React and MongoDB (NoSQL) to produce optimal course allocation by parsing TA data
• Course Scheduler: Built CRUD web app using Angular and LowDB (NoSQL) for scheduling university courses
• Tutor Matching: Built CRUD web app using React and MySQL (SQL) for booking and reviewing tutors
• Fredryck's Frontier: Built a platform style game in Unity using C# and object oriented programming skills

## VOLUNTEER EXPERIENCE

**FIRST Robotics Competition Team 1325 Inverse Paradox**                                                  Sept 2015 to Present
Business Operations Captain/Mentor                                                                        Mississauga, ON
• Managed 5 cross-functional sub-teams by leading the development of a competitive robot with **50+ students**
• Launched a donation drive by authoring a STEM based colouring book for youth at local hospital and 3 libraries
• Led free STEM education camps for **700 participants** partnering with 6 Canadian youth organizations and 3 schools in India
• International **FRC Deans List Winner (20/138,000)** for technical expertise and individual contribution to the team