Calvin Cheng

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Education

University Of Toronto – Scarborough / Bachelor of Arts & Science Scarborough, ON
Computer Science Specialist, Software Engineering Stream CGPA 3.55 *Sep. 2018 – July 2023*

Technical Skills

Languages: Java, Python, C, SQL, JavaScript/TypeScript, HTML/CSS, Ruby
Frameworks & Databases: React, React Native, Angular, Flask, Django, MongoDB, Postgres
Developer Tools: Git, Docker, Postman, Expo, Celery, Power BI, Google Data Studio, Figma, Kubernetes, Xcode

Experience

Software Developer I Jan. 2022 – Apr. 2022
Tophat Monocle Corp. *Toronto, ON*

- Reduced onboarding time for new developers in multiple monolith code spaces by 20% through legacy code refactoring, aligning it with modern practices and enhancing code quality.
- Crafted an authoring feature (React), providing clients with a familiar system akin to GitHub's change logs for effortless viewing and application of updates to their courses.
- Discovered a critical issue within the course content system (Datadog and Fullstory), effectively diagnosing discrepancies in displayed content for 500+ unpublished courses caused by previous updates.

Software Development Intern Sep. 2021 - Dec. 2021
Verto Health *Toronto, ON*

- Streamlined live data debugging efficiency by 15% through the development of internal tools (Angular) on an admin page by enabling the seamless import and configuration of test environments from live data.
- Dramatically elevated the user experience of the vaccination booking application by integrating rescheduling and tracking functionalities, automating a previously manual process, and saving over 100 hours for our clients.
- Managed the design workflow (FIGMA) for a user-oriented interface that enables clients to schedule vaccinations, with a strong focus on accessibility and user-friendly design principles.

Software Development Intern Jan. 2021 – Apr. 2021
Pickeasy Inc. *Toronto, ON*

- Created visualizations to evaluate customer retention and feature usage using collected statistics in Google Data Studio to measure the impact of any strategies implemented.
- Developed stories on our mobile app using React Native which mimicks Instagram's story feature resulting in a 50% increase in new users on the week the feature was released.
- Designed and implemented a rollback system to save client data states, enabling undo/redo functionality when clients are designing personal digital menus on our platform.
- Created a system using Celery to allow administrators to schedule and send notifications to a select subset of users resulting in a 35% increase in retention.

Software Development Intern Jan. 2020 – Apr. 2020
OMERS *Toronto, ON*

- Collaborated with traders to create a (Django) web app, boosting trading efficiency by 10% through portfolio management and real-time bond data access.
- Crafted multiple stored procedures (SQL), enabling non-SQL-savvy traders to access and analyze previously unvisualized data efficiently.
- Leveraged PowerBI to present bond data to traders using user-friendly and familiar scatter plots and trendlines.

Projects

Petsprout Habit App (UofT Endorsed) | *Node.js, React Native, Express,* Github May 2021 – Aug. 2021

- Developed a habit formation mobile application to support people in forming healthy and lasting habits utilizing research-backed methods to enhance the app's effectiveness by 25%.
- Managed and mentored junior developers as the front-end lead through weekly standups and pair programming.

Find Dining Scarborough | *Angular, Docker, Django, MongoDB,* Github May 2020 – Aug. 2020

- Awarded Best Project by The City of Toronto amongst a class of 50 in a software engineering course by leading a small agile team with requirements collected from a client to create a food ordering web application.
- Designed an interactive map (Angular) providing users with a way to discover restaurants based on their location.