Gordon Tang

Third year computer science student looking for an internship to develop my skills as a software engineer.
Available for 4 months starting May 2022.
https://gtang.ca/ | gtcanada0730@gmail.com | 647-960-9803

Education

Carleton University, Ottawa, Canada   September 2019 – Expected 04/2023
B.Sc. Computer Science – Honours – COOP – Minor in Economics and Statistics   CGPA: 11.6/12.0 (A)

Skills

I have worked on numerous projects as a team or alone for work or self-enjoyment. I have experience in Java, Elasticsearch, Python, C, C++, HTML, CSS, JS, React, K8s, Docker, AWS, Google Firebase.

Work Experience

Search and Discovery Intern, @Interset|Micro Focus, Ottawa, ON   05/ 2021 – 08/ 2021
- Used JavaEE, Gradle, Elasticsearch
- Fixed 5 product defects in SaaS (AWS) and non-SaaS (K8s, Docker)
- Built an audit logger with integration tests in Dropwizard/Junit
- Built an Elasticsearch to OpenSearch diff tool using Java/Gradle/ES/OpenSearch
- Increased test code coverage from 52% to 78% in Junit.

Teaching Assistant, @Carleton University, Ottawa, ON   09/ 2020 – 04/ 2021
- Evaluated hundreds of assignments and provided constructive criticisms
- Hosted 8 workshops and weekly office hours

Projects

Ant Simulator – *Research project*   09/ 2020 – 02/ 2021
- Supervised by professor Alan Tsang of Carleton University School of Computer Science to analyse the behaviour of the Ant Colony Optimisation (ACO) algorithm
- Implemented the algorithm in Python, gathered and analysed data in Pandas, Matplotlib and recorded results in Latex
- Developed skills in critical thinking, writing and research

Game web app – *School project*   09/ 2020 – 12/ 2020
- Built a full stack Connect 4 app using Pug, CSS, JavaScript, Express, Mongo, Sockets
- Applied REST API design, thus improving robustness and modularity of program
- Implemented cookies to track user data and authorise user throughout the app

Financial dashboard – *Side project*   07/ 2020
- Built interactive graphs in Python, using Plotly and Flask libraries
- Cleaned and processed data from Bank of Canada's API with Pandas library

ISED Data Challenge – *Hackathon project*   05/ 2020 – 01/ 2020
- Analysed media sentiment with 3 team members and displayed our findings in a PowerBI
- Cleaned messages with a stop filter hence creating a new feature in Python

Volunteer Experience

Carleton Artificial Intelligence Society – Co-President   03/ 2021 – Present
- Recruit, lead and manage a team of 13 people for the Admin Team
- Collaborated with teammates to create marketing, budgeting, sponsorship and outreach plans
- Give presentations to sponsors and community about our club

Science Student Success Centre – Computer Science Mentor   06/ 2021 - Present
- Mentored 4 incoming students on academic success, career success and various school resources
- Hosted a technical workshop on "Intro to Terminal" with positive feedback from staff