MICHAEL CANEFF

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OVERVIEW

Result oriented engineer with professional and research experience. I am seeking for an innovative and challenging development position. Looking to work with a professionally managed and dynamic organization which will provide for me the best opportunity to learn and achieve my career goals as Computer Engineer.

Key Strengths:
- Leadership
- Analytical Thinking
- Engineering Design Processes

Tools:
- C/C++, Java, Python
- HTML/CSS, JavaScript, Angular, Node.js
- Windows, Linux/Unix scripting
- SQL Databases

Technical Skills:
- Front-end web development
- Software process optimization
- Enterprise systems development
- MES (Manufacturing execution systems)

EDUCATION

Western University - London, Ontario, Canada — Spring 2022
Bachelor of Engineering Science – Computer Engineering Software Systems
(Admitted with the Western Scholarship of Excellence for demonstration of outstanding achievements upon entry)

Courses Completed:

- Algorithms & Data Structures
- Business for Engineers
- Neural Networks
- Computer Science Fundamentals I & II
- Database Management Systems
- Software Requirements & Analysis
- Web Technologies
- Software Design

EXPERIENCE

Körber Pharma — Sofia, Bulgaria
Java Software Engineer — Sept. 2020 – Aug. 2021
Backend developer working with enterprise systems.
Technologies used: Java, PL/SQL

- Responsibility: Designed, developed, tested product enhancements and bug fixes in the Development environment and release coordination with upper environments
- Technologies used: Java 1.8, Oracle V12c PL/SQL, Tortoise SVN, Deployed the application using JBOSS Application Server
- Created PL/SQL scripts, Creation, and management of schemas writing DDL, DML queries
- Experience and Knowledge in Design Patterns like MVC, Singleton, Data Transfer Object
- Experience working with IDEs like Eclipse and PL/SQL for Developers
- Worked closely with the QA Engineering team to achieve the relevant standards
- Created Unit tests for every new feature or bug-fix
- Worked with major clients (AstraZeneca, Novo Nordisk, Teva) providing custom MES software deliveries
- Interacted with other internal teams including Quality Assurance, Project Management, and other Development teams to incorporate their innovations
- Experienced with working with other international Teams to coordinate deliveries
- Implemented Application business logic and application framework using Factory design
- Analyzing business requirements and determined feasibility of implementation
- Implemented, integrated, and tested code in an enterprise code base.
- Created various bugs fixes in the product code base
- Experienced using Waterfall methodology familiar using Agile
- Carry out acceptance testing and module testing

Researcher London, Ontario
Neuromorphic Engineering Research Sept. 2019 – Aug. 2020
ANIMA (Asynchronous Neuromorphic Interconnected Mixed-signal Architecture)
Project Team Lead - Research Thesis – Supervised by: Prof. Lyle Muller

- Managed a team of 4 engineers to effectively strategize in regard to deadlines, budget, resources and team member coordination
- Developed various chip designs which can replicate the same phenomena found in a biological neuron
- Developed and manufactured successful prototypes for the silicon neuron, current work is in process to be published in a Scientific Journal
- Gained thorough understanding in various Machine Learning techniques/algorithms and Neural Networks

Mathematical Researcher Toronto, Ontario
Exploring Optimal Behavioral Strategies in the presence of Evolutionary Traps Sept. 2018 – Aug. 2019
Research Internship - Western University - Supervised by: Prof. Lindi Wahl

- Under the department of Applied Math, I developed a mathematical model using Game Theory which explained why the Australian Jewel Beetle's population was rapidly declining in the presence of pollutants
- Described the optimal strategy to take given the signals shown in the ecological space, contrast this strategy with the strategy the jewel Beetle's were utilizing
- Described the necessary threshold
- Validated the model by describing the correct population dynamics in both pre and post pollutants scenarios.
- This framework allows us to evaluate the success of survival strategies in the presence of negative payoff choices
- Developed a fuller understanding how to study complex dynamical systems and extract meaningful information from them

ACHIEVEMENTS & AWARDS

- Recipient of the Western Scholarship of Excellence:
  - Achieving an average greater than 90 % entrance average
- Fillona Conference: Oral Presentation Award (2019):
  - First Prize Winner, Topic: Evolutionary Traps
  - **Rewarded 500.00 CAD**
- Fillona Conference: Poster Presentation Award (2019):
  - First Prize Winner, Topic: Evolutionary Traps
  - **Rewarded 700.00 CAD**
- USAM Conference Poster Competition Award (2019):
  - Second Prize Winner, Topic: Evolutionary Traps

EXTRA-CIRRUCULAR

- Former rower for the Western Rowing team (2017-2018)
- Awarded 1st place at the OUAs (Ontario University Athletics) championships rowing regatta in 2017
- Presented at Southwestern Ontario Graduate Mathematics and Statistics (SOGMSC) Conference in Guelph (2019)
  - Topic: Evolutionary Traps
- Presented at the MathBio Days conference on the topic of Mathematical modeling in Ottawa (2019)
  - Topic: Evolutionary Traps