

Nicholaus Suprpto

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Summary of Qualifications

- Tech Stack: TensorFlow, Pandas, Seaborn, Matplotlib, Vue, Django, SQL, MongoDB, Firebase
- Self-motivated team player with cooperative skills established through collaborative projects
- Proven communication skills by various involvement in leadership and formal positions
- Fast learner with competent time management skills to deliver constant quality results

Education

University of Waterloo

2020–2025

Candidate for Bachelor of Computer Science, Honours Computer Science Co-op, Data Science Major

Relevant Coursework: Object-Oriented Programming, Sequential Programs, Probability, Statistics

Experience

FarmLink Marketing Solutions

Remote, CA

Software Developer Intern

May 2022–Present

- Effectively refactored front-end components into generic components to reduce file sizes by 30%
- Configured Vite and enforced front-end code splitting reduce load times by 26% and reduce bundle size by 72%
- Optimized Django ORM queries of 3 main features to reduce API response times to a standardized response time
- Integrated Github Actions and Microsoft Teams to provide automatic updates of deployments

University of Waterloo Mathematics Tutoring Center

Waterloo, ON

Undergraduate Tutor

Jan 2022–April 2022

- Provided extended learning to students enrolled in M135/136: Linear Algebra and M137/138: Calculus and helped the students in preparing for tests and exams

Paramount Commerce

Remote, CA

Merchant Integrations Analyst Intern

Sept 2021–Dec 2021

- Certified merchant integrations in the staging environment to meet compliance requirements
- Utilized SQL queries to gather transaction data and extract information for merchant integrations
- Researched and recommended mobile emulator tools to simplify the current automated and live testing practices
- Assisted the company-wide Salesforce migration from Jira and created new Reports and Dashboards in Salesforce

Projects

Spotify Data Visualization 📊

July 2022

- Designed rich data visualization to model personal Spotify streaming habits with Matplotlib and Seaborn
- Collected historical data and audio analysis data from Spotify API and worked on data cleaning and ensured data consistency using Pandas and Numpy

Binary Image Classifier 📊

June 2022

- Built binary image classification model based on EfficientNetB3 to classify images into two distinct groups during week-long hackathon event, CxC Summit hosted by UW CSC and UW DSC
- Increased dataset by data augmentation and fine-tuned the model with manual tuning to reach 93% accuracy

C Compiler 📊

April 2022

- Built a compiler for a subset of the C language, during CS 241, that produces ARM code of a given file
- Implemented Simplified Maximal Munch scanning algorithm and Bottom Up parsing algorithm

Achievements

CxC Summit ML Edition - Aipaca Challenge 1st Place

2022

CxC Summit ML Edition - Watonomous Challenge 1st Place

2022

Oracle Certified Associate, Java SE 8 Programmer

2021

University of Waterloo Merit Scholarship

2021