

Davyd Kuleba

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EDUCATION

Seneca Polytechnic

Toronto, ON

Computer Programming and Analysis - Advanced Diploma (GPA: 3.6)

Graduation date: December 2025

- **Relevant Coursework:** Software Analysis and Design, Advanced Database Services, Data Structures and Algorithms
- **Activities:** Seneca Science and Technology Guild, AI Seneca Club

SKILLS

Web: JavaScript, Python, HTML, CSS, React, Node.js, MongoDB, Foundation, SQL, Pug

Mobile: Swift, SwiftUI, Xcode, Alamofire, Core Data

Tools and Technologies: Git, Docker, MySQL, Jira, Figma, Prototyping, UI/UX

WORK EXPERIENCE

Mobile Engineer Intern

April 2023 – July 2023

International Restoration Church

- Refactored **Swift** code with modularization and asynchronous operations, improving efficiency, reducing bugs, and achieving a notable **22%** decrease in app load time
- Implemented the MVVM design pattern to restructure a legacy codebase, reducing the onboarding time for new developers by **50%** and fostering faster integration into project workflows
- Created interactive map functionality using the **MapKit** framework, which increased user engagement with location-based features

Software Engineer Intern

April 2021 – August 2021

GoFriends

- Implemented minification and concatenation of CSS and JS files and image optimization using Grunt, which resulted in a **20%** decrease in page load times, significantly enhancing website performance and user experience
- Optimized website for **100%** cross-browser compatibility by using responsive design principles, significantly reducing user-facing issues and enhancing the overall user experience
- Implemented mobile responsiveness and optimized the website for mobile devices using the **Foundation** framework

PROJECTS

ImagiTalk | React, Next.js, Flask, Python, Cohere API, Docker

[Project Page](#)

- **ImagiTalk** is an AI-based messenger app that enables users to engage in nostalgic conversations with childhood characters through character emulation and expressive voice synthesis
- Led Front-End development using **React**, Next.js, Tailwind, and Bootstrap, creating a user-friendly interface
- Trained ML model on character voices, integrating ElevenLabs for expressive voice synthesis, enhancing the conversational experience

Netflix Clone | React, Tailwind CSS, Next.js, MongoDB, Prisma, NextAuth

[Project Page](#)

- Developed responsive **full-stack Netflix clone** using React, Next.js, Tailwind CSS, Prisma, MongoDB, and NextAuth
- Implemented database functionality using Prisma ORM and MongoDB to manage user accounts, movie data, and personalized lists of favorite movies within the Netflix clone
- Integrated Google Auth and GitHub Auth alongside NextAuth for seamless authentication
- Designed a responsive UI with Tailwind CSS for seamless user experience across devices

S&P500 Stock Predictor | Python, scikit-learn, Pandas, Jupyter Notebook

[Project Page](#)

- Utilized **machine learning** to forecast S&P500 stock movements, leveraging historical data from Yahoo Finance API
- Implemented a Random Forest Classifier model to predict price changes, utilizing features such as closing price, volume, etc.

Sorting Algorithm Visualizer | Python, Pygame

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- Created a dynamic visualization of sorting algorithms using the **Pygame** library
- Implemented Insertion Sort and Bubble Sort algorithms, allowing users to interactively sort a random list of numbers in ascending or descending order