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, Angular, 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
- Led the restructuring of a legacy codebase integrating the MVVM design pattern to reduce the onboarding time 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

Flixify | *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*   **Project Page**
- 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