David Mehedinti

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EDUCATION

University of Washington   **December 2020**

Bachelor of Science - Computer Science and Software Engineering

WORK EXPERIENCE

Baseline - Tennis Micro Social Network App   **Spring 2020 - Present**

Working with a partner on an alpha version of an iOS app for tennis players that provides features and services tailored for the sport.

- Programmed an iOS client with Swift and SwiftUI, and a backend with Firebase and TypeScript
- Worked throughout the full development lifecycle, from wire-framing to prototype user testing and further development
- Improved on the pre-alpha version by A/B testing on early adopters using Firebase's Remote Config
- Tracked progress and managed accountability by splitting tasks into small units on Trello

OPEN SOURCE WORK

BioMF, Web App for Grochow-Kellis Algorithm — Bioinformatics Algorithms

A web app that implements the Grochow-Kellis to find network motifs.

Github Link

- Written in C#, HTML, CSS
- Created a user interface for an open source motif detection algorithm
- Used the bleeding edge framework Blazor that converts C# business logic to Javascript byte-code using the WebAssembly standard

Graph — Data Structures, Algorithms, and Discrete Mathematics II

Github Link

- Written in C++
- Implemented a graph class that can read graph txt files and apply breadth-first search, depth-first search, and Dijkstra, on undirected and directed graphs

TECHNICAL SKILLS

Programming Languages: Java, C#, Swift, C++, TypeScript/JavaScript, Python, HTML, CSS

Development Software: Visual Studio, Xcode, Visual Studio Code, Git SCM, Github

Other Notable Software: Sketch, Firebase, Adobe Xd, Adobe Illustrator

Other Skills: Agile development, excellent communication, leadership, project management, planning

VOLUNTEERING

Member, Association for Computing Machinery (ACM)   **2019-2020**

- Attended guest panels from the CS industry and other special events
- Participated in group programming challenges and practice
- Met with club officers to discuss ACM plans and work on assignments

Hospital Volunteer, Del. Webb Hospital, Sun City West, Arizona   **2011-2014**