Christopher Dombele

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**EDUCATION**

**Wentworth Institute of Technology** | Boston, MA | GPA: 3.135 / 4.0 August 2020

Bachelor of Science in Computer Science

Minor in Computer Networking, Minor in Applied Mathematics

**EXPERIENCE**

**Software Engineer |** Delsys Inc. | Natick, MA September 2019 - December 2019

* Worked to create Android and PC applications
* Created applications to interface with wireless EMG sensors
* Xamarin and C# used to update existing client facing applications
* Tested device performance and overall data throughput with Bluetooth

**Research Position |** Wentworth Institute of Technology | Boston, MA January - April 2019

* Performed research under the direction of Professor Chen-Hsiang Yu
* Researched how EMG, EKG, EEG data can help patients and health enthusiast
* Built the EMG sensor with MyoWare Muscle Sensor, Arduino Uno, and NRF8001 Bluetooth technology
* Engineered a mobile health app in which the EMG data is transmitted, graphically displayed, and analyzed

**PROJECTS**

**Language App** | Independent Project July - August 2018

* Engineered a language application for the Android operating system using Java
* Designed application to consists phrases, colors, and numbers of a language that teaches the user

**Media List |** Independent Project August - November 2018

* Developed a media-list desktop application to keep track of favorite movies and other media
* Constructed with Electron, HTML, CSS, and JavaScript

**MIT Hackathon** | Cambridge, MA | Group ProjectSeptember 2018

* Built a web application that converts speech to text then summarizes the text
* Comprised of HTML, CSS, React.js, and Watson Speech to Text API
* Learned how to use an API to create a web application
* Cultivated the ability to work with a team to complete a project

**SKILLS**

Languages: Java, C++, C#, Python, JavaScript, React, HTML5, CSS3, Dart

Software: Eclipse, Atom, Sublime, After Effects, Photoshop, Microsoft Office, Unity, VS Code, Git, Flutter

Devices: Raspberry Pi, Arduino, MyoWare Muscle Sensor, NRF8001

Operating Systems: Windows 10, Linux / Unix, macOS

**RELEVANT COURSES**

Algorithms, Routing and Switching, Operating Systems, Computer Organization, Data Structures Databases, Security Principles, Parallel and Distributed Computing, Web Development