CONNOR BARKER

Computer Engineering | University of Waterloo

Skills

Programming (Experienced)

JavaScript · C# · Python · C++ · HTML
SASS · CSS

Programming (Familiar)

Java · Racket · Objective C · Latex
TypeScript · SQL

Tools & Libraries

Visual Studio · Firebase · Bootstrap
Git · AngularJS (1+) · Ionic · node.js
Django · Android Studio · Azure
Adobe XD · Adobe Illustrator
Adobe Photoshop · .NET

Education

University of Waterloo

Candidate for Bachelor Of Applied Science in Honours Computer Engineering

Ecole Jeannine Manuel

Acheived a final score of 40 points on the International Baccalaureate
Graduated 2017 · Lille, France

Contact

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1.226.338.7794

Experience

Software Developer | UWaterloo Portal Team

January - April 2018

· Developed an analytics application to display usage data, designing the frontend and backend components from scratch using JavaScript and C#
· Responsible for the visual design redesign of the student/staff views in the new CECA paging system, as well as adding new backend functionality such as editing interview times and messaging student
· Attended weekly Agile SCRUM meetings, and monthly sprint planning meetings, where the team used storyboarding to create a list of Jira tickets

Intern | Cosimo

July 2014

· Worked on a small team to produce a mobile platform for creating location-based audio snippets, with applications such as triggering a clip when a user approaches a painting in a museum
· Created visual data representations of MTA wireless-equipped subway stations as part of a sales pitch and presentation on application use-cases
· Responsible for database management and cleanup, specifically regarding reorganizing valid data and reducing the volume of unnecessary test data

Projects

ASCIIfy

https://github.com/connorbarkr/ASCIIfy

· Chrome extension which makes use of jQuery to search for images on a webpage and convert them into ASCII art
· Parses pixel data and finds average color value of certain areas, assigning them to an ASCII character and putting them onto the page

laz0rb0i

https://github.com/CrypticEskimo/laz0rb0i

· Integrated system which converts user input into a visual laser display with motors and mirrors, projected on a wall
· Wrote a custom CLI using C++, which continuously accepts string or sinusoidal input, processes it, and converts it to GPIO output using an algorithm

AMSAT

https://github.com/connorbarkr/AMSAT

· Created a Twitter bot in JavaScript using node.js and assorted libraries
· Implements Markov chains to parse text and create tweets
· Markov generator was custom-built, rather than sourced
· Makes efficient use of RESTful and streaming Twitter APIs