

Maximillian M. “Moby” von Briesen

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WORK EXPERIENCE

Skookum Digital Works, Charlotte, NC

January 2013 - August 2014

Web developer

- Created a company-wide artificial intelligence challenge with Node.js
- Developed a compliance solution for a Fortune 100 company - uses image comparisons to track and report visual website changes over time
- Developed an iPad game for a large advertising client from start to finish
- Contributed many features and bug fixes to the Skookum website and an HTML5 apparel design application

PROJECTS

Ludum Dare 27, 28, and 30

August 2013 - August 2014

- Completed three games using HTML5 and Javascript as part of the Ludum Dare, a 48 to 72 hour game development competition
- Created a 2-dimensional physics engine for Ludum Dare 27 and 28
- Developed the artificial intelligence and basic game framework on a team for Ludum Dare 30

MIDI Sequencer

June 2014

- Created an npm (Node Packaged Modules) library to convert between MIDI (a music protocol) and JSON (JavaScript Object Notation)
- Implemented a web app to allow users to upload MIDI files to, view piano notes in, and play/download MIDI files from the browser

EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2014 - May 2018

- Candidate for Bachelor of Science in Computer Science

Performance Learning Center High School, Charlotte, NC

August 2012 - June 2014

- Valedictorian
- 4.0 GPA unweighted

Central Piedmont Community College, Charlotte, NC

January 2012 - August 2013

- 4.0 GPA
- Concurrent enrollment for classes in Web Technologies and Simulation and Gaming

SKILLS

Programming Languages: Node.js, frontend JavaScript, HTML5, Jade, CSS, Stylus, MongoDB, SQL, Python, Ruby, Java, C#, PHP

JavaScript Libraries: Express, Require, React, jQuery, Underscore, Mongoose, Socket.io, Twilio

Software: Git, Blender (procedural modeling in Python)

LEADERSHIP/ACTIVITIES

- Volunteered to teach middle and high schoolers web development and robotics for IT-Ology
- Taught electronics and programming for Hackerspace events (MakerFaire, Raspberry Sky)
- Worked as a training assistant for two week-long high school STEM summer camps where students built quadcopters