Clayton C. Kucera
Software Engineer
Georgia Institute of Technology
U.S. Citizen

Contact Information
[redacted]
claytonkucera@gmail.com

Address
[redacted]
Atlanta, GA 30318

PROFESSIONAL EXPERIENCE

Senior Sofware Engineer *Oct 2017 - present*
Eaton Lighting - Software Innovation Center
- Frontend Feature lead on web and mobile applications for multiple IoT projects (ZigBee, Bluetooth, Angular 7.0)
- Built automated workflows for converting web applications to hybrid mobile applications (Node.JS, TypeScript, Cordova)

Student Developer *May 2016 - March 2017*
Geographic Information Center
- Built large front-end web dashboard that displays health and environment data in a geographic context for Fulton County (JavaScript, HTML, CSS).
  - Performed geospatial analysis on U.S. census datasets to create useful indices(JavaScript/NodeJS, Python, ArcGIS).

Research/Development Internship *January 2015 - January 2016*
Georgia Tech Research Institute, Electro Optical Systems Lab
- Chemical Companion, a cross-platform application currently in use by US Hazmat teams (Xamarin for WPF/Android/iOS)
- Emulation software for several aircraft dashboards (.NET/C#, XML)
- Developed data visualization software of generic real-time streamed data for an IRAD web application (MEAN, CSS, JS, D3.js, Python, C#)
- Data visualization software used for debugging aircraft signal detection systems (HTML, CSS, JS, D3.js, SQL, Python)

PROJECTS

Georgia Tech Course Data API https://github.com/ckucera3/courses-backend *August 2015*
Created and maintain an API service providing Georgia Tech course information using Node/Express and MongoDB. It uses web scraping to collect professor and GPA data from a course info site, coursecritique.

Wikidata Helper Library https://github.com/ckucera3/wikidata-person *June 2017*
Created and maintain an open source NodeJS library that consumes Wikipedia's Data API. The module allows users to easily query Wikipedia's People based on Categories. (JavaScript/Node.js)

Smart Terrarium Environment Controller *November 2016*
A DIY project that will monitor and maintain a desired humidity level in a small enclosure.
Software stack: Python, JavaScript, Node.js, D3, MongoDB
Hardware: Raspberry Pi 2, DHT-11 sensors, relay module

ACTIVITIES/HONORS

GT Web Development Club *August 2014 - Present*
Technical Lead, Technical Committee, Communications Officer
Created and taught others to create web apps using a Node.js based stack (Node.js, MongoDB, Angular, Jade/Handlebars. Git, React, etc.)

Boy Scouts of America, *Eagle Scout*

EDUCATION

Bachelor of Science, Computer Science, 3.30 GPA
Georgia Institute of Technology
Relevant Classes: OOP, Data Structures and Algorithms, OS/Architecture, Hardware/Digital Design Lab, Databases, Networking

SKILLS

Languages: C#, JavaScript, HTML/CSS, Java, C, C++, Assembly, Python
Tools/Technologies: Xamarin (Android, iOS, WPF, Forms), .NET, Azure, D3.js, Node.js, React.js/Redux, React Native, Git/SVN, Android, MEAN, Jade/Handlebars
Database: MongoDB, MySQL, SQLite, Firebase