Curtis Green

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SKILLS	**Languages:** C++, JavaScript, Python, SQL **Technologies:** GTK, Node.js, React.js, Next.js, Phaser, Arduino, Unity

WORK EXPERIENCE

Lockheed Martin
Software Engineer   02/2019 - Present
- Developed C++ software models for F-16 flight simulators in an MVC system
- Redesigned simulation UI and other tools using GTK in C++/Python
- Created tools for QA to streamline testing procedures
- Investigated and fixed bugs in production code
- Drove the transition from waterfall to agile by training coworkers on story creation and management
- Wrote guides on code organization and team workflow to help new hires

Laboratory for Embedded & Networked Sensor Systems (Texas A&M)
Software Developer (IoT for Smart Homes project)   05/2018 - 11/2018
- Created a Node.js server on AWS to broker MQTT messaging to/from Arduino microcontrollers and store it in MongoDB
- Designed a dashboard to display the collected sprinkler/rain data
- Updated existing C++/Arduino code used on microcontrollers to add features, improve reliability, and increase readability

EDUCATION

Texas A&M University
Bachelor of Science in Computer Engineering (GPA: 3.6)   12/2018
Minor: Japanese

Osaka University (Osaka, Japan study abroad)   03/2017 – 08/2017
Business Proficiency in Japanese (Passed JLPT N2)

PROJECTS

Clash Tips *(JavaScript | Next.js, React.js)* [Website]
- Created a full stack web app for viewing League of Legends tournament statistics to help draft against upcoming opponents or see where one should look to improve

RS Clicker *(JavaScript | Phaser)* [Code][Website]
- Developed a RuneScape themed clicker game. Defeat different enemies, collect items, level up skills, and unlock new areas
- Structured object oriented code to easily add new levels, enemies, consumables, weapons, skills, etc. Data saved periodically through cookies

Attendance Tracker *(JavaScript, SQL | Node, React)* [Code]
- Created an attendance tracking product and service that allows students to swipe in using their student IDs and automatically be logged for attendance in the ongoing course
- Professors can register their classes through a website and start/end attendance by swiping their own ID on the device

Twitter Service *(C++ | gRPC)* [Code]
- Created a distributed client/server twitter service with load balancing
- Users can subscribe to feeds from other accounts and see status messages in real time

Bananas with Attitude *(C# | Unity)* [Code][Download]
- Developed at the Chillenium Game Jam, play as a banana and avoid all hungry gorillas