

# Anthony Gray

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## SUMMARY

Software engineer with professional experience in embedded application development and a strong engineering background. A dedicated and enthusiastic team player with a drive to find creative and unique solutions for difficult design problems.

## SKILLS

**Languages:** Java (2 years), C++, C#, JavaScript, Python, HTML, CSS, PostgreSQL  
**Methodologies:** Object Oriented Programming/Design, Agile, Scrum, Test Driven Development and Design, UML  
**Tech/Frameworks:** Node.js, Express.js, React, Bootstrap, Conan, Nginx  
**Operating Systems:** Windows, Linux  
**Networking:** TCP/IP, UDP  
**Tools:** Gitlab, Bitbucket, Jira, Git, Artifactory, Jenkins, Confluence, Eclipse, Visual Studio

## EXPERIENCE

### Lockheed Martin Aeronautics, Skunk Works

**Marietta, Georgia**

#### *Software Developer Sr*

*Jan 2018 – Present*

- Contribute to a fast-paced agile team responsible for developing and maintaining a suite of aircraft mission services
- Focused on test driven development with continuous deployment through sprint integration/testing events and demonstrations
- Led the design and development of an atmosphere assessment service that integrated with flight display and simulation software

#### *Operations Analyst Sr*

*June 2016 – Jan 2018*

- Analyzed aircraft mission performance to inform decision makers concerning strategic aircraft acquisitions
- Developed software to model aircraft missions and campaigns to aid in customer decision making

### Aerospace System Design Lab, Georgia Tech

**Atlanta, Georgia**

#### *Graduate Research Assistant*

*May 2015 – May 2016*

- Modeled the architecture and control scheme for an autonomous swarm of unmanned vehicles
- Developed drone group behaviors in agent-based model written in Java

## PROJECTS

### Atmospheric Assessment Service/Library

- Java based application that responds to external services and systems requesting atmospheric assessments
- Dynamic multi-threaded design supports processing for many systems while maintaining concurrency protection
- Service interfaces with a flexible library created with an API for atmospheric calculations

### Aircraft Mission Simulation Environment

- Discrete event simulation environment desktop application written in C#
- Use case to model tanker/fighter deployment missions, but flexible design allows for future applications

### Jauntdetour – [jauntdetour.com](https://jauntdetour.com)

- Road trip planning application that allows users to search for and add hikes along a planned route
- Lightweight frontend uses React/Redux and Bootstrap to intuitively allow users to plan a trip and add detours
- Backend Express app hosted on an Ubuntu server does the heavily lifting with route/hike querying and data processing

## EDUCATION

### DIGITALCRAFTS

**Atlanta, Georgia**

#### Full Stack Web Development Bootcamp

*April 2019 – Nov 2019*

### GEORGIA INSTITUTE OF TECHNOLOGY, Guggenheim School of Aerospace Engineering

**Atlanta, Georgia**

#### Master of Science in Aerospace Engineering

*January 2015 – May 2016*

- Summa Cum Laude

#### Bachelor of Science in Aerospace Engineering

*August 2010 – Dec 2014*