# Bryce Plunkett

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**EDUCATION**

Candidate for Bachelor of Science in Computer Science at Georgia Tech
*GPA:* 4.0 | *Expected to Graduate:* December 2021
*Notable Classes:* Data Structures, Discrete Math, Linear Algebra, Objects and Design

**EXPERIENCE**

Software Engineering Intern                                 *Summer 2018, Summer 2019*
*Johns Hopkins Applied Physics Laboratory*

- Built interactive data visualization widgets for massive data sources using Angular, D3, JavaScript ES6, and python
- Developed a prototype desktop application using Electron, Express, Node, and Angular 6
- Assisted in coding Java 8 analytics algorithm for the group's data analytics library
- Used git as a VCS and JIRA for all projects while on development teams
- Wrote VBA and python scripts to resolve discrepancies between large data sets

High School Intern                                                         *2016-2018*
*Johns Hopkins Applied Physics Laboratory*

- Leveraged Apache Storm, Hadoop, Apache Kafka, and VivaGraph (WebGL) to build real-time, distributed data ingestion and visualization engines

**PROJECTS**

Naval Analytics Software                                                        *2017*
*MongoDB, Express, Angular, NodeJS, Python*

- Scrapes information from Wikipedia pages about Naval ships and places them into a standard format along with standard units
- Calculates a similarity value (along with other metrics) and ranks how similar one ship is to all others

Interstellar Merchant Android App                                               *2019*
*Java, Kotlin, MongoDB*

- Adventure style game set in randomly generated universe
- Served as project leader and managed the VCS, user stories, and design process

Image Steganography Tool                                                        *2018*
*Python, C#*

- Encodes and decodes messages into and from images by modifying the LSB
- Encrypted bits are diffused throughout the image rather than placed linearly

**ACTIVITIES**

Bits of Good Member                                                             *2019*
*Chapter of hack4impact; build software for nonprofits*

- Helped develop Express middleware for MERN app intended for the International Refugee Committee
- Created comprehensive documentation for API using Swagger Docs

Data Science Club                                                         *2018 - 2019*
*Member of Project Team*

- Worked with team of other students to predict the performance of non-English speakers in games related to learning English
- Used R to analyze and augment data sets
- Created unique visualizations of data with ggplot2

**TECHNICAL SKILLS**

*Advanced:* Java, JavaScript, Python, TypeScript, NodeJS, Angular $\geq$ 2, Kotlin, HTML, CSS (and SASS), git, JIRA
*Intermediate:* Bash, VBA, R, PHP, LaTeX, MySQL, MongoDB, Express, Maven