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 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 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 datasets
- 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