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 CS Classes: Computer Organization and Programming, Data Structures, Intro Artificial Intelligence, Objects and Design
Notable Math Classes: Discrete Math, Intro Multivariable Calc., Linear Algebra

EXPERIENCE

Software Engineering Intern   *Summer 2018, Summer 2019*
Johns Hopkins University 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 University 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

ACTIVITIES

Undergraduate Machine Learning Research Assistant   *Fall 2019*
High Performance Architecture Lab

- Researched lightweight, offline speech recognition technologies
- Implemented hotword detection and speech recognition using Python and other scripting languages

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

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

TECHNICAL SKILLS

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