

# Bryce Plunkett

Ellicott City, Maryland  
plunkett.bryce.m@gmail.com | <http://bryceplunkett.com>

|                         |  |
|-------------------------|--|
| <b>EDUCATION</b>        | Candidate for Bachelor of Science in Computer Science at Georgia Tech<br>GPA: 4.0   <i>Expected to Graduate:</i> December 2021<br><i>Notable Classes:</i> Data Structures, Discrete Math, Linear Algebra, Objects and Design   |
| <b>EXPERIENCE</b>       | <div>Software Engineering Intern<span>Summer 2018, Summer 2019</span><br/><i>Johns Hopkins Applied Physics Laboratory</i><ul style="list-style-type: none"><li>Built interactive data visualization widgets for massive data sources using Angular, D3, JavaScript ES6, and python</li><li>Developed a desktop application using Electron, Express, Node, and Angular 6</li><li>Assisted in coding Java 8 analytics algorithm for the group's data analytics library</li><li>Used git as a VCS and JIRA for all projects while on development teams</li><li>Wrote VBA and python scripts to resolve discrepancies between large data sets</li></ul></div> <div>High School Intern<span>2016-2018</span><br/><i>Johns Hopkins Applied Physics Laboratory</i><ul style="list-style-type: none"><li>Leveraged Apache Storm, Hadoop, Apache Kafka, and VivaGraph (WebGL) to build real-time, distributed data ingestion and visualization engines</li></ul></div>                            |
| <b>PROJECTS</b>         | <div>Naval Analytics Software<span>2017</span><br/><i>MongoDB, Express, Angular, NodeJS, Python</i><ul style="list-style-type: none"><li>Scrapes information from Wikipedia pages about Naval ships and places them into a standard format along with standard units</li><li>Calculates a similarity value (along with other metrics) and ranks how similar one ship is to all others</li></ul></div> <div>Interstellar Merchant Android App<span>2019</span><br/><i>Java, Kotlin, MongoDB</i><ul style="list-style-type: none"><li>Adventure style game set in randomly generated universe</li><li>Served as project leader and managed the VCS, user stories, and design process</li></ul></div> <div>Image Steganography Tool<span>2018</span><br/><i>Python, C#</i><ul style="list-style-type: none"><li>Encodes and decodes messages into and from images by modifying the LSB</li><li>Encrypted bits are diffused throughout the image rather than placed linearly</li></ul></div> |
| <b>ACTIVITIES</b>       | <div>Bits of Good Member<span>2019</span><br/><i>Chapter of hack4impact; build software for nonprofits</i><ul style="list-style-type: none"><li>Helped develop Express middleware for MERN app intended for the International Refugee Committee</li><li>Created comprehensive documentation for API using Swagger Docs</li></ul></div> <div>Data Science Club<span>2018 - 2019</span><br/><i>Member of Project Team</i><ul style="list-style-type: none"><li>Worked with team of other students to predict the performance of non-English speakers in games related to learning English</li><li>Used R to analyze and augment datasets</li><li>Created unique visualizations of data with ggplot2</li></ul></div>  |
| <b>TECHNICAL SKILLS</b> | <i>Advanced:</i> Java, JavaScript, Python, TypeScript, NodeJS, Angular $\geq 2$ , Kotlin, HTML, CSS (and SASS), git, JIRA<br><i>Intermediate:</i> Bash, VBA, R, PHP, LaTeX, MySQL, MongoDB, Express, Maven   |