

Brian Chung

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Portfolio: bchung.me Github: [bchung1](https://github.com/bchung1)

Clearance: Secret

WORK EXPERIENCE

General Dynamics Mission Systems

Summer 2016-Present

Software Engineer Intern

- ❖ Worked on an agile development team to transition a systems management software from a monolithic architecture to a microservices architecture using the Spring framework
- ❖ Specifically worked on developing a Spring plugin application that collects and outputs different types of data (FileSystem, SQL databases, HTTP Requests etc.)

Naval Surface Warfare Center Carderock Division – Bethesda, Maryland

Naval Research Enterprise Internship Program Intern

Summer 2015

- ❖ Worked on the early development of a Navy ship structural design and analysis tool
- ❖ Designed a UML to define the OOP structure and relationships between stiffeners
- ❖ Implemented the UML design and wrote a script that read an input file of stiffener data and instantiated the data into stiffener objects

Science and Engineering Apprenticeship Program Intern

Summer 2014

- ❖ Wrote macros in Visual Basic for Applications that extracted and scraped large financial data sets from ERP (Enterprise Resource Planning), the Navy's financial system of record
- ❖ Optimized previously implemented macros from ~ 3-5 minutes to a few seconds

EDUCATION

University of Maryland College Park

- ❖ Expected B.S. in Computer Science: Spring 2018
- ❖ Science Technology and Society Scholars Program: 2014-2016
- ❖ Presidential Scholarship: 2014-Present
- ❖ Deans List: Fall 2015
- ❖ President of B-Terps breakdance club

University of Cuenca - Study Abroad: Winter 2015

PROJECTS

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Summer 2016

- ❖ A web application that allows people in a shared public space to decide what music they want to hear (ex. Party, starbucks, gym etc.)
- ❖ Handles bidirectional communication between users to ensure the song request queue is the same among all users
- ❖ Integrates with a chrome extension that connects users to a host's Spotify playlist

Wiki-Preview

Summer 2016

- ❖ A simple but powerful chrome extension that provides a short preview of a Wikipedia link as a tooltip
- ❖ Implemented by scraping the first paragraph of the Wikipedia link through an AJAX call

Catalyst

Summer 2016

- ❖ Worked with a team of 4 to develop a web application that assists college students in managing and meeting their financial goals
- ❖ Used MEAN (without Angular) as our tech stack, Capital One's Nessie API to generate fake financial data, and D3.js to provide a visualization of our user's financial progress

SUMMERy – Capital One Software Engineering Summit Challenge

Spring 2016

- ❖ A chrome extension that summarizes online news articles
- ❖ Provides important keywords, highlights key sentences in original article, and stores summaries for offline reading
- ❖ Won the challenge as 1 of 30 students among 300+ applicants

CORE SKILLS

Software: Java, JavaScript, Node.js, jQuery, Chrome Extensions

Hardware: Oscilloscope, DLA, Circuits, FPGA