Brian Chung

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• bchung.me • github/bchung1 • Clearance: Secret

WORK EXPERIENCE

General Dynamics Mission Systems   *Summer 2016-Present*
Software Engineer Intern
- ❖ Developing a monitoring file system application on an agile development team using the Spring Framework

Naval Surface Warfare Center Carderock Division – Bethesda, Maryland
Naval Research Enterprise Internship Program Intern   *Summer 2015*
- ❖ Programmed in C++ with Visual Studio Express for the development of the ISDE (Integrated Structures Design Environment), a Navy ship structural design and analysis tool
  - o Wrote a program that read an input file of stiffener data, instantiated data into stiffener objects, and stored these objects into an array with a specific ID
  - o Designed a UML to define the structure and relationships between classes

Science and Engineering Apprenticeship Program Intern   *Summer 2014*
- ❖ Created macros using VBA (Visual Basic for Applications) for workforce that extracted and parsed financial data from the ERP (Enterprise Resource Planning), the Navy's financial system of record
  - o Wrote macros that reorganized large excel spreadsheets of financial data by deleting empty cells and extraneous information

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

Wiki-Preview   *Summer 2016*
- ❖ A google chrome extension that provides a short preview of a wiki link on hover

Catalyst   *Summer 2016*
- ❖ A web application that assists students in managing their financials
- ❖ Allows user to set financial goals
- ❖ Rewarded with coupons from local commercial businesses upon meeting set goals

SUMMERy – Capital One Software Engineering Summit Challenge   *Spring 2016*
- ❖ Developed a google chrome extension that:
  - o Summarizes online articles
  - o Provides Wikipedia links to relevant keywords/terms from article
  - o Saves articles in chrome storage for offline reading
- ❖ Selected as 1 of 30 students among 300+ applicants for Capital One's Software Engineering

Introduction to Engineering Design Autonomous Over Sand Vehicle Project   *Fall 2014*
Team Member
- ❖ Worked with a team of 8 students to design, construct, and program an autonomous over sand vehicle that completed a set of objectives through an obstacle course
- ❖ Awarded best team in our category by completing base objectives and one bonus objective

SKILLS

Software: Java, JavaScript, HTML, CSS, Node.js, jQuery, AngularJS, Bootstrap, C, Chrome Extensions, MATLAB, VBA, UML, Verilog, C++, Spring, ExtJs
Hardware: Arduino, Oscilloscope, DLA, Circuits, FPGA