Charlie Ching

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EDUCATION:

University of Maryland – College Park   *GPA: 3.65, Expected Graduation: May 2019*

- Bachelor in Computer Science – Data Science Specialization
- Minor in Technology Entrepreneurship
- Environment, Technology, and Economy Scholars Program:
  - Highly selective 2-year living and learning program that explores the concept of global sustainability by examining the relationships among natural and built environments, advances in technology and efficiency, and the impact of various economic sectors

EXPERIENCE:

- Languages: React, SQL, Java, HTML/CSS, SASS/SCSS, JavaScript, Ruby, C, Python, OCaml, NuclearJS, Prolog, Assembly
- Skills/Technologies: Web Development, UI/UX, Amazon Web Services, Machine Learning, Git/Github, RESTful API, Apache Tomcat

HACKATHONS:

- Coding Mentor for ***Technica***, the University of Maryland's all women hackathon
- Organizer and member of the Tech Team for ***Bitcamp***, the largest hackathon of the East Coast in the spring

PROJECTS:

Food Tracker   *December 2017*

- A web application built with DynamoDB, CloudTrail, S3, and the USDA Food Composition Database API
- Records nutritional values of food eaten throughout the day and recommends food to help the user maintain a healthy and well-balanced diet

Home Foods   *October 2017*

- A web application built using HTML, SASS, JavaScript, and Node.js that uses the McCormick API to generate a list of recipes for users to request and customize meals to be delivered by chefs within a specified proximity

Dat Fight   *August 2016*

- A browser game built using HTML, CSS, JavaScript, and jQuery in which you work together with a partner to defeat the enemy

WORK EXPERIENCE:

Crowdkeep, Washington D.C. (Startup)   *June 2017-Present*
Software Engineering Intern

- Enhanced and implemented new features for the React based web application through UI/UX improvements, cross browser compatibility, code refactoring, quality assurance testing, bug fixes, website traffic analysis, and deep linking between web and mobile applications
- Optimized the Jekyll based marketing website through HTML validation, CSS compression, image compression, gulp minification, and leveraging browser caching

BAE Systems, Washington D.C. Sector partnered with the U.S. NAVY   *May 2016-August 2016*
Software Programming Intern

- Developed and improved applications that provided time saving capabilities and critical financial planning functionally for the United States Navy
- Used SQL queries, the Hibernate framework, and the Struts 2 framework to pull crucial information from the Navy database and then display selected information on a web based application run on an Apache Tomcat server
- Created an application consisting of JSP, HTML, CSS, and Java that could be placed into any dynamic web project, displaying every single file as a downloadable link