

Ryan Stumbaugh

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EDUCATION

University of Maryland, College Park

Class of 2019

- Bachelors of Science in Computer Science
- Minor in Business Analytics
- Member of College Park Scholars (Business, Society, and the Economy)

3.75 GPA

SKILLS

- **C# / ASP .NET, Python, Java**
- **HTML5, CSS3, JavaScript (ES6, React)**
- **Experience with SQL and NoSQL databases**
- **XML processing and XSLT**
- **Comfortable with Git**
- **Familiar with Unix CLI**

WORK EXPERIENCE

Web Developer, *University of Maryland Stamp Student Union*

August 2016 – Present

- Utilized ASP .NET, C#, and MySQL to create and organize webpages for high-volume student union
- Planned and executed a complete redesign and refactor of integral web application for managing annual awards banquet
- Collaborated and communicated with business clients to determine their application's needs
- Technologies: ASP .NET Web Forms, C#, MySQL, HTML / CSS, jQuery

Software Development Intern, *Susquehanna International Group*

June 2018 – August 2018

- Handled high-volume data sources to perform entity resolution and matching across multiple data sets
- Dramatically improved efficiency of searches on multiple data sources and lowered error response time
- Created multiple applications and scripts to aggregate, organize, and process data from many data sources
- Technologies: C#, Python, Kafka, Elasticsearch

Software Development Intern, *TD Ameritrade*

May 2017 – August 2017

- Developed components and improved workflows for Marketing website Content Management System
- Spearheaded responsive redesign and code refactor of vital component as a part of company's CMS
- Effectively communicated with marketing department to ensure that solutions fit the business requirements
- Technologies: XML processing, XSLT, HTML / CSS, jQuery, Perl, TeamSite

PERSONAL PROJECTS

TerpSearch, <https://terpsearch.me>

- Course filtering web application for University of Maryland courses powered by student feedback
- Allows users to rate, search, and filter courses and professors based on nearly a dozen criteria
- Technologies – React.js, node.js / Express.js, Webpack, mongoDB, Firebase, HTML / CSS / JavaScript, and Git

umd.io Open Source API, <http://umd.io>

- Contributed to student-created API for University of Maryland data including courses, maps, and bus routes
- Added an endpoint for professors (with documentation) and improved scraping and HTML parsing
- Generalized semester scraping to ensure API is always up-to-date
- Technologies – Ruby, Sinatra, Rack, Vagrant, nginx, and Git

Battleship

- Game of Battleship written in Java, can be played either against a computer or over LAN with a partner
- Technologies – Java, Swing, TCP / IP networking