

# Ryan Stumbaugh

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## EDUCATION

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### 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

## EXPERIENCE

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### Software Developer, *Susquehanna International Group*

August 2019 – Present

- Lead full-stack developer on distributed news processing & user-facing trading system averaging 8 figures/week in trading activity
- Directly enabled the growth of the system from 2-3 users to 50+ traders and analysts
- Identified, architected, and implemented major backend architecture changes and risk controls to optimize system and handle scaling needs
- Collected, prioritized, and delegated requests for new features, bug fixes, and major system changes
- Collaborated heavily with traders and analysts in tight feedback loop to understand needs and limitations
- Technologies: C#, TypeScript, React, WPF, Kafka, Elasticsearch, mongoDB, MySQL

### Web Developer, *University of Maryland Stamp Student Union*

August 2016 – May 2019

- 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
- Technologies: XML processing, XSLT, HTML / CSS, jQuery, Perl, TeamSite

## PROJECTS

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### TerpSearch

- Course selection website for University of Maryland students powered by user-submitted reviews
- Provided powerful searching and filtering of courses by course attributes and Difficulty/Interest reviews
- Utilized umd.io API to pull course listing data for all available semesters

### umd.io

- Contributed to open-source API for scraping course listing information from UMD registrar website

## SKILLS

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- C# / ASP .NET, Python, Java
- React.js, TypeScript
- Kafka, mongoDB, MySql, Elasticsearch
- Git, GitLab CI, OctopusDeploy