



ANDREW ZHANG

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Education

Johns Hopkins University, Baltimore, MD

Expected May 2021

- GPA: 3.87 / 4.0, B.S. Computer Science, B.S. Applied Mathematics and Statistics
- Coursework: Algorithms, Computer Networks Databases, Data Structures, Practical Data Science, Probability, Statistics, Object Oriented Software Engineering, Parallel Programming

Employment

Datadog, New York, NY

Aug – Dec 2020

Incoming Software Development Intern

Amazon.com, Inc., Seattle, WA

May – Aug 2020

Incoming Software Development Intern

MassMutual, Boston, MA

May – Aug 2019

Software Engineering Intern - Technologies used: **Swift, Gitflow, Jira, Confluence, Java**

- Developed MassMutual's first iMessage app using Swift to calculate retirement trajectory
- Implemented screens on Investment Management feature for MassMutual's iOS and Android application
- Fixed bugs and added automation ID's for RetireSmart iOS team

Eaton Corporation, Galesburg, MI

May – Aug 2018

Software Engineering Intern - Technologies used: **ASP.NET, SQL, C#, Azure DevOps, Entity Framework**

- Created RESTful API with ASP.NET Core for accessing SQL server of truck fleet fault information
- Built accompanying SDK library in .NET to create HTTP clients that access API
- Deployed API using Azure DevOps for production

Campus Involvement

HopHacks - Director

- Currently director of HopHacks, the biannual student hackathon at Johns Hopkins University
- Lead team of 20+ organizers to plan hackathon for more than 300 students from around the world
- Lead meetings to establish deadlines for logistics, sponsorships, social media, and transportation

Projects

Retirement Trajectory Calculator - <https://github.com/yzhan289/Retirement-Calculator-iMessage>

- Technologies used: **Swift, Alamofire**
- Developed retirement trajectory calculator for iMessage in Swift using delegate, observer, and MVC patterns (25,000 LOC)
- Calls MassMutual's public retirement calculator API through Alamofire's API library function

Fortune 1000 Job Finder - <https://github.com/yzhan289/Fortune-1000-Job-Finder>

- Technologies used: **PHP, MySQL, JavaScript, HTML/CSS**
- Developed a job finding board using JavaScript for frontend and PHP + MySQL for backend database for Databases final project (15,000 LOC)
- Implemented reverse search which find companies with similar qualities as a user-inputted company

OhioGuidestone App - <https://github.com/cfg-columbus18/team-14>

- Technologies used: **AngularJS, TypeScript, HTML/CSS**
- Developed a task managing solution web app in AngularJS framework using TypeScript for backend and HTML/CSS for front end for J. P. Morgan Code for Good Hackathon 2018 (15,000 LOC)
- Designed and implemented multiple features such as progression system, profile page, and generating healthy activity suggestions

Skills

Languages: Java, Python, Swift, C#, C++, C, JavaScript

Technologies: ASP.NET, Entity Framework, Azure DevOps, AngularJS, Git (Gitflow), MySQL, Jira, Confluence, JUnit, Agile