

VICTOR MAO

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Seeking a full-time Software Engineer position starting June 2020.

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS

01/2019 – 05/2020, **M.S. INFORMATION TECHNOLOGY AND MANAGEMENT** - Fast Track Program

08/2016 – 05/2019, **B.S. COMPUTER SCIENCE** - Honors Program, GPA 3.88/4.00, Magna Cum Laude, CV Honors

INTERNSHIPS

CHARLES SCHWAB, SOFTWARE ENGINEER INTERN

SUMMER 2019, 9 WEEKS @ WESTLAKE, TX

- Researched, demoed proof-of-concept, and implemented resilience and fault tolerance policies using Polly library.
- Implemented wait and retry with exponential back off, advanced circuit breaker, timeout, and fallback policies in C#.
- Wrote comprehensive unit tests with MSTest and used Moq library to mock external dependencies.
- Actively participated in four full two-week sprints and all agile ceremonies – stand-up, sprint planning, backlog grooming, retrospective.

AUTOMATED HEALTH SYSTEMS, IT INTERN

SUMMER 2018, 11 WEEKS @ PITTSBURGH, PA

- BA: gathered requirements and wrote user stories for Premium Collection facelift project.
- Developer: improved search data export tool from 50 results to 50,000 results, fixed bugs in 4 different projects, created new and updated existing reports using SQL Server Reporting Services.
- QA: performed functional testing and regression testing for new Enrollment Wizard release.

ACTIVITIES AND AWARDS

- **01/2019 – 05/2019, DRIVELYTICS 2.0 – SENIOR CAPSTONE PROJECT** – First Place Project at CS Expo '19
Algorithm and user experience improvements to iOS Telematics mobile application to improve customer retention and encourage overall better driving habits. Sponsored by State Farm.
- **08/2017 – 05/2019, 4 semesters as a UT-Dallas Student Success Center PHYSICS PEER TUTOR**
1 of 8 students selected to tutor the subjects of algebra and calculus-based physics for both Mechanics and Electromagnetism & Waves. Worked 9-12 hours per week and consistently taught 50+ students per week.
- **08/2018, 3 weeks of STUDY ABROAD - LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE**
A+ mark in Introduction to Data Science and Big Data Analytics. Used R and RStudio to manipulate, model, and interpret data. Participated in a series of educational programs led by world-renowned thinkers.
- **08/2017, 1 week of CAPITAL ONE SOFTWARE ENGINEERING SUMMIT in Washington D.C.**
1 of 36 students selected (from 400+) to participate in software engineering workshops and a 24-hour hackathon and pitch to Capital One software engineers and executives.
- **SUMMER 2017, 13 weeks as PEER ADVISOR** for over 500 summer guests staying at UT-Dallas Residence Hall Northwest.
- **08/2016 – PRESENT, UT-DALLAS MEN'S ULTIMATE FRISBEE, A-Team Captain '17-'19, Social Chair '19-'20**
Increased club membership from 25 members to 65 members. Awarded UTD "Club of the Year" in 2018.
Led team to two North Texas Section D1 championship titles in 2018/19. Ranked top 30 nationally in 2018/19.
- **08/2016 – 05/2020, UT-DALLAS NATIONAL MERIT SCHOLARSHIP RECIPIENT**
- **11/14/2013, BOY SCOUTS OF AMERICA EAGLE SCOUT RANK RECIPIENT**

TECHNICAL SKILLS

- Java, C#, Python, R, Android Java
- VS 2017, VSTS, SSRS, VS Code
- SQL, MS SQL Server, SSMS, MySQL
- Bitbucket, Bamboo, Jira, Confluence
- Git, HTML, CSS, Flask, Heroku, Bootstrap
- Eclipse, RStudio, Android Studio, QuantumGIS, ArcGIS
- Adobe Premiere Pro, GIMP 2, Inkscape, Audacity, Virtual DJ
- Raspberry Pi, Arduino, Linux, PuTTY, WinSCP, VirtualBox, Agile Scrum

PROJECTS – visit www.victormao.com or <https://vmao19.github.io/vmao19/>