MAXIME S. TOKMAN

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EDUCATION

Northwestern University, Evanston, IL *Expected June 2022*
Bachelor of Arts in ***Computer Science*** | Minor in ***Data Science***
Kellogg Certificate Program for Undergraduates in Managerial Analytics
Cumulative GPA: 3.47/4.00
Relevant Courses: Data Structures, Algorithms, Computer Systems, Machine Learning, Networking, Optimization, Corporate Finance, Microeconomics, Discrete Math, Probability & Statistics

SKILLS

System/Software: AWS | Git | LaTeX | Microsoft Visual Studio | RStudio | Stata | Unix | VS Code | IntelliJ IDEA | Microsoft Office
Programming: C/C++ | C#/.NET | Java | CSS | HTML | JavaScript | MySQL | Python | Racket | SQL | XAML | React | React Native | TypeScript | Redux/Redux Toolkit | R
Languages: Russian (fluent) | Spanish (working proficiency)

RELEVANT EXPERIENCE

Amazon Web Services (AWS), Seattle, WA *June – September 2020*
Software Development Engineer Intern
- Collaborated with a team of engineers to develop the front end of the EC2 console.
- Developed the customer purchase experience modal using React, Redux, and Typescript.
- Designed API calls through Redux-Saga and Redux Thunk to fetch necessary data and populate modal components.

Bizi, Evanston, IL *June 2020 – Present*
Software Developer
- Contribute to a team creating a react native mobile application designed to help students navigate crowded areas on campus.
- Manage development of the map, including a feature that displays color-coded buildings based on real-time occupancy levels.
- Constructed map using a Mapbox API with a custom building shape layer for users to view buildings' live and historical data.

Beghou Consulting, Evanston, IL *June – August 2019*
Software Engineering Intern
- Developed the back end of the Meridian software application, a geographical information system used by pharmaceutical companies to manage sales territories across the US, using C#.
- Generated database OLEDB-based code and SQL queries to retrieve relevant business data from relational databases.
- Incorporated the Google Maps Directions API into a C# application to display directions between two points.
- Launched a GIS prototype with ThinkGeo infrastructure and a Google Maps overlay to draw a route, a feature for Meridian.
- Produced graph search algorithms to identify "islands" (disconnected zip codes) in each territory using a bridge data file.
- Launched software to identify datasets with overlapping zip codes to help sales representatives avoid the same areas.
- Created a program to dissolve any territory by reassigning its zip codes to the largest neighboring territory.
- Initiated development of a shape-reduction algorithm to simplify jagged borders for faster map rendering and readability.

Impact of Population on Coronavirus Testing and Deaths *May – June 2020*
Independent Project
- Extracted Covid-19 data to generate polynomial regression and k-nearest neighbors models in Python for predicting testing capabilities and death rates of a region given its population and population density; full report can be found here.

ACTIVITIES

Sigma Phi Epsilon, Illinois Lambda Chapter (Vice President of Finance)
Northwestern University Political Union
Northwestern University Club Tennis

ADDITIONAL

Employment: Computer Science Tutor, Northwestern University *(February – March 2020)*
Undergraduate Teaching Assistant, Northwestern University *(January 2021 – Present)*
Interests: Machine Learning | Full Stack Development | Data Science | Networking