Michael Mark

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SKILLS & INTERESTS

- **Languages:** Java, JavaScript, C++, MATLAB, HTML, CSS, PHP, Visual Basic, SQL
- **Platforms**: Microsoft: [Excel, Word, PowerPoint, Access], Adobe: [Premiere, Photoshop, Acrobat, XD], Git, GitHub

EDUCATION

Saginaw Valley State University   **May 2021**
MS, Computer Science and Information Systems, 3.971/4.0 GPA

University of Michigan, College of Engineering   **December 2011**
BSE, Industrial & Operations Engineering
- Factory design, supply chain management, LEAN concepts, workflow optimization

EXPERIENCE

PATHSIM   **April 2020 – May 2021**
Contact Tracing via Cell Phone LTE log data
- Worked together as a team to create realistic contact tracing using only LTE log data to preserve user privacy
- Used algorithms to optimize path finding, such as Dijkstra's algorithm, Binary Matrices, and the A* method
- Simulated 1000 paths in multiple tests using only LTE log data
- Mainly coded using MATLAB but also used Java, C++, and Python for algorithm testing and optimization

MeetMinder   **Fall 2021**
- Lead a team through Software Planning, Case Analysis, Requirements (SRS), and Prototype Designing stages
- Created entire app prototype and flowchart with Adobe XD

Calculus Quiz App   **September 2022 - Present**
- Created quiz app to aid tutoring for AP Calculus which can store up to 5 high scores for multiple quizzes
- Used my own CSS elements and coded the app with JavaScript, JSON, and HTML that also work on mobile
- Modified the code to fetch API from large online trivia database to create a random quiz

Morley   **July 2018 – July 2020**
General Motors Repurchase Coordinator   *Saginaw, MI*
- Handled vehicle repurchases for GM customers going through Lemon Law buybacks
- Obtained Agent of the Month twice, working over 60 cases simultaneously with a >90% approval rating
- Promoted from Roadside Assistance to Premium, then upgraded to Repurchase Coordinator within 1 year

Self-Employed Landlord   **2009 – Present**
- Invested in over 35 investment properties in the Saginaw County area after the 2008 Mortgage Crisis
- Quickly learned carpentry, plumbing, and electrical skills for remodeling and repairs
- Joined the Saginaw Landlords Association in 2015 and screened all tenants meticulously
- Learned everything about real estate, including obtaining REALTOR licensure under Berkshire Hathaway
- Gained access to the entire Michigan Multiple Listing Service system (MLS) – better than Zillow

University of Michigan LSAIT   **2007-2008**
Computer Technician   *Ann Arbor, MI*
- Serviced and repaired all the computers at the University of Michigan LS&A College