Griffin Michalak

508-887-1201 | griffinmichalak@gmail.com | linkedin.com/in/griffinmichalak | griffinmichalak.vercel.app

EDUCATION

Northeastern University - Khoury College of Computer Sciences Graduation: May 2026
B.S. in Computer Science and Artificial Intelligence | GPA: 3.6/4.0 *Boston, MA*
- Coursework: Algorithms and Data Structures, Fundamentals of Software Engineering, Object-Oriented Design, Machine Learning I, Database Design, Linear Algebra, Discrete Math, Foundations of Cybersecurity
- Honors: University Honors Program Scholar, PEAK Research Scholar

Massachusetts Academy of Math and Science at WPI May 2022
With Dual-Enrollment at Worcester Polytechnic Institute *Worcester, MA*
- Coursework: Discrete Mathematics, Calculus I-IV, Advanced Mathematical Modeling, Technical Writing
- Honors: First Chair Saxophone in MA All-State Band, HiMCM Finalist, AP Scholar, National Honors Society

EXPERIENCE

Full-Stack Developer July 2024 – Present
Code4Community | TypeScript, React.js, Express, Node, MongoDB, Git *Boston, MA*
- Lead a team of 3 developers to build a sustainability website utilizing Google Maps API, React, and PostgreSQL
- Streamlined management of community partners via novel management dashboard, increasing efficiency by 40%

Software Developer Intern June 2024 – December 2024
The Hanover Insurance Group | TypeScript, Angular, Express, Node, Azure, MongoDB *Worcester, MA*
- Spearheaded development of **full-stack Angular application** that streamlined the submission process for software requests from stakeholders and increased **efficiency by 90%**
- Automated metadata injection with policy forms via Angular Document Builder Tool, increasing form completion **efficiency by 50%**
- Uncovered and addressed **500+ long-standing bugs** in software systems impacting company solutions
- Actively participated in solutions and architectural design discussions, led team reviews of designs, and presented on a key concept in software

Software Engineering Co-Op January 2024 – June 2024
Verizon Communications | ASP.NET, JavaScript, C#, HTML, CSS, Python, SQL *Boston, MA*
- Developed robust, **full-stack Microsoft .NET application** extracting project budgeting data from SQL Server in < **1 second**; optimized server-side processing for data analyses enabling seamless access for **500+ employees**
- Automated data base operations, increasing operational **efficiency by 20%** through 200+ CRUD operations, 20 triggers, and 10 procedures
- Streamlined analysis for **1000+ Superbowl 58 network KPIs** against industry rivals by implementing a data extraction and Python visualization script, reducing computation time by **50%**
- Conducted **code reviews**, browser tests and frequent pairing sessions to ensure code quality

PROJECTS

FindDairyFree | *Swift, Apple, iOS API, SQL, MapKit Library* March 2023 – Present
- Built restaurant database application in Apple iOS for users to search for **2000+** allergy-friendly restaurants based on various parameters including name, address, food/meal type, etc. through SwiftUI and MapKit libraries
- Scraped popular restaurant information from godairyfree.org to populate database and allowed users to execute parameterized searches in **under 1 second**

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Swift, Python, HTML, CSS, PHP, C#, Pug, LaTex
Frameworks: Angular, React, Node.js, Vue, Express.js, ASP.NET Core (MVC), Bootstrap, AWS, Azure
Developer Tools: Git, Linux, MongoDB, Docker, Postman, AWS, SDLC, Tableau
Concepts: Object-Oriented Programming, Machine Learning, Computer Vision, Full-Stack, Frontend, Backend