

Nitish Vijai

Centerville, OH • (937) 830-4633 • nitishv.dev • [LinkedIn: nitish-vj](#) • [GitHub: nitishvijai](#) • nitishv@umich.edu

EDUCATION

University of Michigan – College of Engineering
B.S.E. in Computer Science Engineering and Data Science

Ann Arbor, MI

Expected April 2023

Relevant Coursework: Data Structures & Algorithms, Web Systems, Machine Learning, Computer Vision, Software Engineering, Database Management, User Interface Development, Practical Programming in Java, Computer Organization

Awards: University of Michigan Alumni Club of Dayton Scholarship (2019), Eagle Scout Award (2018)

TECHNICAL SKILLS

Languages: Python, C++, C#, Java, HTML5, CSS3, JavaScript, SQL, Salesforce Lightning/Aura/Apex

Technologies: Windows/UWP, Salesforce, Selenium, jQuery, Flask, Git, Firebase, NumPy, Visual Studio, VSCode

Technical Interests: App development, web development/scraping, script automation, data science

Personal Interests: Running, biking, and Indian culture, music, and dance (active member of Michigan IASA)

WORK EXPERIENCE

Principal Financial Group

Des Moines, IA

Software Engineer Intern (Remote)

May 2021 – August 2021

- Streamlined **three** guided actions in Principal's **Salesforce CRM** by building numerous **Aura** components and **Apex** classes from the ground up, increasing usage of guided actions by almost **50%** and reducing the average time spent to complete tasks from **9 minutes** to **6 minutes**
- Presented work to the RIS Business Coordinators and successfully deployed improvements to Production

Niiti (Startup)

Remote

Software Engineer Intern

September 2020 – January 2021

- Developed four new features and fixed bugs in the Windows version of Niiti's flagship product, HuTouch, an app that allows one to share an activity from Android and resume on Windows instantly
- Improved app compatibility by **25%** by refactoring the C#-based Windows Forms backend to communicate with the Registry instead of a hard-coded solution
- Launched** the beta version of HuTouch on the Microsoft Store to allow for beta testing
- Utilized **C# .NET** (back-end) and **XAML** (front-end) to refresh the user interface and improve end-user experience

Air Force Institute of Technology (Wright-Patterson Air Force Base)

Dayton, OH

Wright Scholar Research Intern

June 2019 – August 2019

- Wrote **Python** script to **automate TensorFlow/CUDA ML benchmark analysis** on remote Edge AI Linux embedded devices (Jetson TX1/Jetson Nano)
- Benchmarked performance and power measurements via ActiveDSO (ActiveX control) over SSH connection to Windows-based oscilloscope
- Presented results and findings to senior Air Force staff and fellow Wright Scholar interns

RELEVANT PROJECTS

Scalable Wiki Search Engine | Python, Flask, HTML5, CSS3, SQLite, Hadoop

April 2021

- Developed a scalable search engine that retrieved Wiki articles based on PageRank scores utilizing Hadoop and MapReduce with **Python (Flask)**
- Implemented a RESTful API index server with **Flask** along with a Google-like user search interface to display results

Eventempo | C# .NET, XAML

December 2019 – February 2020

- Independently developed **Universal Windows** multiple countdown timer app using **C#** and **XAML**
- Deployed app to **Microsoft Store** and released updates in the next 3 months

ORGANIZATIONS

Michigan Data Science Team, Data Scientist on Web Accessibility Project Team

February 2021 – Present

- As part of a team, developed a web scraper using **Python** and **Selenium** to scrape online web accessibility evaluation tools for a dataset of **17** U-M LSA department home pages (see [code](#) and [writeup](#) for more details)

University of Michigan Science Olympiad, Assistant Event Supervisor / Volunteer

February 2020 – Present

- Created a written online test to challenge **50** middle school teams on the fundamentals of electricity and circuit design