

Miles Hamilton

Full Stack Software Developer

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A full-stack developer, explorer of coding methodologies, and a lover of the natural sciences. I have a passion for finding simple solutions to complex problems. As a skilled geologist and astute researcher, my code is both robust and streamlined.

Skills

- **Programming Languages:** HTML, CSS, JavaScript, Python
- **Frameworks:** Node.js, Express.js, Django REST
- **Libraries:** React.js, Mongoose, Materialize, Storybook
- **Databases/Tools:** PostgreSQL, MongoDB, Mongo Atlas, Heroku, Flask, Peewee, Git,

Experience

Software Engineering Immersive | General Assembly | Washington D.C. | Apr 2020–Jul 2020

Successfully completed 500+ hours of expert-led instruction and hands-on learning of computer science fundamentals and the industry's most in-demand technologies. Developed projects, including:

- **Country Happiness Index:** Built with the MERN Stack – I built this project using the data visualization library “Victory” and a backend MongoDB.
- **Movies and Tv Finder:** Built with React.js – I connected an API and programmed logic to spot out a random movie from the TMDb (The Movie Database)
- **API site:** Built with React – an aesthetically pleasing site that shows google map data from select cities

R&D Technician III | Saint-Gobain Norpro | Stow, Ohio | March 2018–March 2020

- Conducted research and development on catalytic carriers, a product used in the creation of various petrochemicals. Implemented constant cost reduction and optimization on several company products through formulation changes and experimentation.
- Worked in the catalytic wing of the lab, collaborated with a team of about 20 engineers and other researchers on product experimentation and product methodologies.

Peer Advisor | Veteran Affairs | University of Akron, Ohio | August 2015–May 2017

- Advised based field of study, based on the STEM field, assisted in VA processing for GI bill grants, helped mentor and build a community with newly separated veterans that transitioned to civilian/student life.
- Organized 4 social and fundraising around campus, such as cookouts, team-building exercises (sports), and a community outreach fundraiser. Additionally, I acted as a mentor and advisor to ~30 freshmen veterans.

Asphalt and Concrete Equipment Operator | Ohio Army National Guard | Ravenna, Ohio

June 2009–June 2015

- Operated equipment for horizontal construction projects (road repair, concrete foundation recovery) for domestic improvement, as well as collaborative vertical construction projects (scaffolding, terrain leveling, sediment coring)

Deployment to Kuwait | Veteran | October 2010–August 2011

- Assisted in the development of blueprints and maps using AutoCAD and ArcGIS in support of construction projects overseas (concrete missile platforms, offices, roads)
- Supported mission-critical initiatives through the operation of construction and surveying equipment such as total stations, GPS receivers, and Brunton compasses

Education

General Assembly | Software Engineering Immersive | Washington, D.C. | Apr 2020–Jul 2020

University of Akron | B.S. Geology | Akron, Ohio | August 2011–May 2017