

Matthew Rogge

9191 Deepwater Point Rd.
Saint Michaels, MD, 21663
410-310-7286

mattmdrr2@gmail.com

Portfolio: www.matthewrogge.com

Work Experience

- Developed COVID screening website for local dentist (June – August 2020)
 - Questionnaire texted to patients
 - Alerts for patient arrival in their parking lot
- Tech Desk Employee at Target (September 2019 – present)
 - Activated phones daily
 - Pushed products to the floor, helped guests, and made sales
- Remote Data Collection at Bucknell University (Senior Year)
 - Designed, developed, and implemented a remote data collection and control system
 - Network of Raspberry Pi's collected sensor data into central database, used by research teams to log sensor readings automatically
 - System also displayed live data as embeddable graphs for the researchers' public-facing WordPress sites
 - Deployed 4 sensor packages to the campus greenhouse
- Web Development at Bucknell University (Sophomore/Junior Year)
 - Designed and developed specialized web pages and forms for Professors and Departments
 - Completed 2 pages individually, and worked on 4 pages with coworkers
- Data Entry at Environmental Concern, Saint Michaels, MD (part time / high school)
 - Managed and normalized Excel spreadsheets and Microsoft Access databases

Education

B.S. in Computer Science and Engineering
Bucknell University
Graduated May 2019

Open Source Experience

Tiled Map Editor (C++/Qt)
Rust build tools (rustc, cargo)
Reverse-engineering project for Pokémon Emerald (C and ARM)

Technical Skills

Languages

Preferred:

Java	Javascript
C/C++	Python
Rust	C#

Experienced:

Bash/Powershell/Bat	Prolog
Verilog/SystemVerilog	R
PHP	Matlab
Mathematica	Lua
Visual Basic	Haskell
Assembly (ARM, x86, MIPS, z80...)	

Tools

Eclipse	XCode	VS Code
Sublime	Vim	Visual Studio
Photoshop	Make	CMake
Git	SVN	Jupyter Notebook
SQL (MySQL, Oracle)		

Frameworks

AWS	React	Qt
Unity Engine	Node.js	WordPress

Project Management

Agile	Scrum	Trello
Github	Gitlab	

References available upon request