

Bahdah Shin

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SKILLS

Programming Language: C#, Python, Go, Java, SQL, JavaScript, Haskell, C/C++, PHP

DevOps Tools: Git, Docker, Linux Commands, Jenkins, Jira, GitHub Actions, Elasticsearch, Kibana

Database: MySQL, PostgreSQL, MongoDB, SQLite

Data Science: NumPy, matplotlib, pandas, scikit-learn, Jupiter

Other: Node.js, AWS, Flask, Django, OpenCV

EXPERIENCE

Obsidian Solutions Group

Rosslyn, VA

DevOps Engineer

November 2021 – Current

- Working with IoT devices and data collection pipeline.

Allied Associates International

Gainesville, VA

Database Forensics Engineer

January 2021 – September 2021

- Automated a routine file retrieval task from production dataset with C#, which reduced work time by 80%.
- Disassembled smartphone apps to extract data from SQLite and plist files and organized the data with Avro, a serialization framework onto a knowledge graph, which allowed users to see relationships between each data.
- Conceptualized an automated process for monitoring data extraction health and new database file discovery in Elasticsearch with REST APIs to reduce time on manual check.

Network Forensics Engineer Intern

June 2020 – August 2020

- Dissected network traffic on IoT devices with Wireshark and examined media encoding patterns for data extraction.

Gartner

Austin, TX

Web App Engineer Intern

June 2019 – December 2019

- Improved the query in the web app dashboard, which reduced the load time for critical information used by sales and operations at Software Advice by 30%.

PROJECTS

Vision Intelligence, Startup

Rochester, NY

Engineer & Founder

May 2018 – May 2019

- Researched open-source solutions, models on body pose estimation, and datasets for training to accurately and passively motion capture a body from a video recording.
- Interviewed 200 physical therapists to gather information on their business needs.

RITMural, 24-hour hackathon

Rochester, NY

A Team Member of Four

January 2018

- Designed a web app with Node.js, MongoDB, Socket.IO, and HTML Canvas to allow multiple users to draw on the same canvas in real-time. Deployed the web app on Heroku.
- Achieved an average of 100 daily visits during the first week after deployment.

EDUCATION

Rochester Institute of Technology

Rochester, NY

Bachelor of Science in **Computer Science**

Graduation Date: December 2020

- Dean's List
- 1st place in BrickHack 3

Spring 2020

February 2016

Courses: Information Retrieval, Artificial Intelligence, Data Mining, Operating Systems, Networks, Graphics, Computer Vision, Parallel & Distribution Systems, Programming Language Theory, Assembly