Bomin Rahmani

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Education

- Grand Valley State University **Allendale, MI**
  College of Engineering, B.S. Computer Science *Aug 2018 - May 2022*
  - Minored in Mathematics and Philosophy.
  - Received badge of certification for NVIDIA course, "Introduction to AI in the Data Center".
  - On Deans list from 2018 - 2022.

Experience

- **Michigan Software Labs** **Ada, MI**
  Web and Mobile Software Development Associate *2021 – 2022*
  - Developed a global release mobile application for a Fortune 100 company.
  - Created an analytic dashboard website to manage multiple large companies.
  - Worked in a fast paced Agile development environment.
  - Constantly learned different languages, frameworks, and tools to exceed customer expectations.

- **Grand Valley State University** **Grand Rapids, MI**
  Private and University Tutor *2018 – 2022*
  - Helped over 15 students in subjects such as Chemistry, Mathematics, Computer Science.
  - Improved students' average grade by 11% at the end of the semester.
  - Provided SAT prep to students, having them frequently score over 1350 (90th percentile).
  - Tutored for University in subjects of Discrete Math, Philosophy of Logic, and Computer Science.

- **Faroq Clinic** **Mazar-i-Sharif, Afghanistan**
  Nurse *2017 – 2017*
  - Grasped understanding of various suturing techniques under a short period of time.
  - Became proficient in delivering IV's as well as subcutaneous, and intramuscular injections.
  - Consistently worked and prevailed in high stress situations.
  - Communicated in three languages and four dialects to prescribe medications and assist patients.

Projects

- **Artificial Intelligence Filtration Pipeline** *Jan 2022 - April 2022*
  Written in Python using PyTorch and OpenCV
  - Implemented computer vision research papers to create my own object detection neural network.
  - Automated scraping of videos from various websites to self feed back into the NN model.
  - Model accurately detects objects in videos and synthesizes statistical information sheets.

- **Google Demo Application** *July 2021 - Sept 2021*
  Written in Kotlin.
  - Simulated various features of the Pixel 6/Pro to accurately present the client's product.
  - Integrated numerous new libraries like Lottie to construct advanced animations.
  - Compressed app size from original 700 MB down to 120 MB using different compression techniques.

- **Tutoring management App** *Aug 2020 - Dec 2020*
  Written in JavaScript using React and Google Firebase.
  - Generates profiles that allow users to keep track of students and courses.
  - Can update profiles to make following student progress simple.
  - Makes use of Quote generator API, Google Calendar API, and Weather API.

Core Technical Skills

Languages: C++, Python, Java, Kotlin, JavaScript, SQL, C, LaTeX, R, Haskell, Lisp.
FrameWorks: Flask, Vue.js, React.js, P5.js