

Kev Sharma

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EDUCATION

- **Rutgers, The State University of New Jersey** New Brunswick, NJ
Bachelor of Science in Computer Science; GPA: 3.94/4.0 *Sep. 2019 – Dec. 2022*
 - **Relevant Coursework:** Data Structures, Design and Analysis of Algorithms, Computer Architecture, Software Methodology, Systems Programming, Discrete Mathematics, Calculus, Physics

SKILLS

- **Languages:** Java, C, Python, HTML/CSS
- **Tools:** Git, Linux, Github/Bitbucket

PROJECTS

- **Home Price Predictor (C):** Using input data for any number of homes, this program formulates a model to predict the price of a home with similar attributes. The Moore–Penrose inverse on matrices (generated using the training data read in from a file) is used to generate the prediction model.
- **Twitter Bot (Python):** Python3 script to daily tweet the name of the holiday that falls on that day. Twitter handle - @Bot3Hangman. Served as my introduction to APIs and the scripting language python3.
- **Photos (Java, JavaFX):** Multi-user photo management desktop application.
 - For any photo on a PC's file system, a user logged into the application may add this photo to one or more of their stored albums. Users may assign tags and a caption to their photos.
 - Users may search all their albums for photos added between a certain date and/or marked with a certain tag. Users can add/list/remove both photos and albums and copy/move photos between albums.
 - User's albums are shown upon login. If an album is opened, all of its photos are shown in a list along with each photo's metadata. Photos may be previewed in a slideshow.
 - An admin subsystem is built in the application to manage users. All changes made are saved to disk and the application maintains state between launches (serialization).
- **Photos (Android API 29):** Implemented Photos into an Android application. Photo insertion now happens from the phone's file system instead of a desktop environment.
- **Chess (Java):** A two player Chess game playable on the terminal. Programmed with OOP design principles in mind to allow for code reuse.
- **Simulators (C):** Coded three C files to simulate the execution/operations of 1) Assembly Code, 2) An L1 Cache, and 3) A circuit.

OUTREACH

- **Organizations:** Rutgers USACS, Rutgers University Competitive Programming
- **Volunteering:** NJ Veterans Memorial Home (Library and Tech helper)