

# Elmar Imanov

Full-stack Software Engineer | Cupertino, CA | [elmarnov22@gmail.com](mailto:elmarnov22@gmail.com) | (650) 447-5694 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## Education

**San José State University** | B.S. Computer Science

**Graduation Date: December 2023**

GPA: **3.5/4.0**

**Affiliations & Involvement:** SJSU Engineering Society Officer | Hiking Club Guide | Chess Club Member | Java Tutor

**De Anza Community College** | A.S.T. Computer Science

**Graduation Date: June 2021**

GPA: **3.7/4.0**

**Affiliations & Involvement:** Artificial Intelligence World Member | Competitive Programming Club Member

## Experience

**General Dynamics Mission Systems**

*May 2023 - August 2023*

*Software Engineer Intern*

*San Jose, CA*

- Built a **full-stack** conversion app with electrical engineers to convert over **1 million MIDAS** samples into **spectral** data
- Implemented dual view functionality, in **C++**, for spectrum displays which immensely **boosted application useability**
- Added column sorting and copying functionalities to **Qt** widgets which **reduced lookup time by 25%**
- Optimized** outdated functions for a major project, **decreasing** the total debugging time for the whole team
- Competed and won in a weekly demo competition where team members showcase their addition to the project
- Technologies used: **C++, Qt, CMake, Putty, MySQL, SSH Tunneling, Gitlab**

## Projects

**Dream House**

*October 2023 - November 2023*

*Machine Learning Price Prediction | [GitHub](#)*

- Designed and developed a **machine learning** model to predict the price of a house based on multiple parameters
- Leveraged **Random Forest** and **Gradient boosting regression** models to capture complex relations in the data set
- Introduced **model stacking** which allowed the performance of the models to be **increased by 10%**
- Utilized an abundance of Python libraries such as **scikit-learn** and **pandas** to increase the performance of the model
- Technologies used: **Python, Scikit-learn, Pandas, Matplotlib, Seaborn, Numpy**

**Deliverio**

*February 2023 - April 2023*

*Doordash Replica | [GitHub](#)*

- Developed a **containerized** web application which allows restaurants to request drivers that deliver food to customers
- Integrated **Google Maps API** to provide accurate navigation for drivers and **real-time tracking** for customers
- Designed a modern and user-friendly front-end utilizing **React.js** and **SCSS** to ensure smooth transactions
- Implemented authentication using **JSON Web Token** and **password hashing** in order to keep user data secure
- Employed **Docker** to containerize the app, enabling easy deployment and **scalability** across different environments
- Technologies used: **JavaScript, Express.js, Node.js, React.js, MySQL, SCSS, Postman, Heroku, Docker, Git**

**Password Locker**

*July 2022*

*Password Manager | [GitHub](#)*

- Built a password managing application in **Java** which protects all social media passwords under one master key
- Utilized **MySQL** to perform **CRUD** operations to handle user login, signup, reset, and storing of user data
- Constructed data searching algorithms using **Data Structures** to display in real-time with maximum optimization
- Developed strong **leadership** skills by leading and managing a team of four following **SDLC** and **MVC** patterns
- Technologies used: **Java, JavaFX, SceneBuilder, SQLite, Git, Slack, CSS**

**Musicle**

*December 2022*

*Music Streamer | [GitHub](#)*

- Individually constructed an **iOS application** which allowed for the streaming of music on **mobile** platforms
- Employed **Firebase** for efficient storage and management of mp3 files in a **realtime database**
- Crafted a visually appealing and intuitive user interface using **Swift** including a personalized playlist creation
- Technologies used: **Swift, XCode, Firebase, Git**

## Technical Skills

- Languages:** Python, C++, C, Java, JavaScript, Swift, HTML/CSS
- Tools & Frameworks:** Linux, Node.js, Express.js, React.js, Next.js, MySQL, MongoDB, NeDB, REST, Qt, Putty, CMake, Docker, SciPy, Pandas, Flask, Scikit-Learn, Firebase, Mongoose, Heroku, JQuery, SCSS, Postman, Git, BeautifulSoup