

# ERIK NURJA

San Diego, CA 92115 | (619) 627-6169 | eriknurja12@gmail.com  
<https://www.linkedin.com/in/enurja/>

## EDUCATION

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**San Diego State University** - Bachelors of Science, Computer Science

Aug 2018- May 2021

## EMPLOYMENT

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### Backend Engineer | Dano Specialties LLC

Python | Excel | MySQL | Streamlit

- Developed Python automation scripts and Excel macros to significantly accelerate data calculations, resulting in a two-week reduction in processing time and enhanced budget efficiency.
- Utilized Python for data processing and analysis tasks, ensuring streamlined and accurate data management.
- Employed the pandas library to effectively analyze and filter data, resulting in a 20% reduction in processing time.
- Successfully deployed the application online, enabling convenient access for company employees at any time.
- Conducted comprehensive testing to ensure the application adhered to high standards of functionality and performance.

### Junior Android Developer | Mobile Enterprises LLC

Kotlin | Java | Android Studio | Jetpack compose | Firebase | Mockito | Espresso

- Worked on the development and testing of mobile applications used by 10,000+ users using Kotlin, Java, and Android Studio.
- Created an application from scratch using Jetpack compose and restful API, implementing design patterns such as MVC and MVVM.
- Design and execute Test Cases to ensure adequate Functional/code coverage for multiple Android applications.
- Use Git and Jira for version control and issue tracking, and Jenkins for Continuous Integration.

### Network Technician | San Diego State University

- Troubleshoot network connections for 35,000 clients across the SDSU campus.
- Provisioned, deployed, verified, and monitored 3,500 wireless access points.
- Installed, configured, troubleshooted, and managed 600+ Cisco and Alcatel Lucent switches.

## PROJECTS

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### FaceMask Detection System

- Developed application using Python, Raspberry PI, pipenv, tflite
- Participated in weekly meeting and uploaded, downloaded and merged files using Github as needed for the application.

### Web Recommender

- Developed a web-based recommendation system using Django, with a user-friendly authentication system that supports secure registration, login, logout, and password reset functionalities.
- Utilized pandas and Scikit-learn to build a robust recommendation algorithm that analyzes user input data to offer personalized movie recommendations based on the user's behavior and preferences.
- Designed a user interface that simplifies adding and removing movies from a list, viewing recommendations based on the user's history, and providing feedback on satisfaction levels.
- Implemented Git and GitHub for version control, allowing easy collaboration and deployment of codebase changes to production environments.

## SKILLS

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**Programming** | Java, C#, Kotlin, Python, JavaScript, HTML, CSS, C++, Android Studio

**Frameworks** | Spring, Django, Tkinter, TensorFlow, Numpy, Matplotlib, Pandas, OpenCV, SciKit

**DevOps & Tools** | Docker, Cloud (AWS), Unix/Linux, Version Control (Git), Scrum & Agile Methodology, BDD, JUnit