Daniel Palencia

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○ https://github.com/dpalencia/

↖ https://dani.coffee/

in https://www.linkedin.com/in/danidev/

📞 8183594694

📍 Northridge, CA

🎓 Education

Computer Science, BS,
California State University, Northridge

2019 – 2021

   3.96 GPA. Dean's List Fall 2019, Spring 2020, Fall 2020, Spring 2021.

Los Angeles Pierce College

2012 – 2019

   3.17 GPA. Transferred to CSUN.

🗃 Highlighted Projects

Mars Vision, NSF year-long data science project. A Python-based computer vision tool utilizing classification algorithms to identify surface features on Mars from NASA HiRISE images.

   https://github.com/mars-vision/marsvision

APP-A, CSUN senior design project. An android navigation app targeted at blind and visually impaired CSUN students to help them get around campus.

   https://github.com/indomie858/app-A

📜 Certificates

NSF 2020 Summer Bootcamp Certificate of Completion
Recognized for completion of the 2020-2021 NSF Data Science Program. Bootcamp introduced students to data science as a career. Program included a year long data science project. Worked on the Marsvision project, a computer vision project that aimed to detect surface features on Mars using machine learning methods.

🧑‍🤝‍🧑 References

Vandana Gundara, *Owner*, Design Spinners
vgundara@gmail.com, (818) 800-9214

Michael Munje, *NSF Advisor*
michaelmunje@gmail.com, (818) 310-6921

🧠 Skills

Software Engineering
Worked with the following languages in a professional or academic setting: Python, Java, Kotlin, PHP, Dart, HTML/CSS, JavaScript, C#. Experience with software engineering practices such as unit testing, CI/CD, version control, project management, and team collaboration with tools such as GitHub, GitLab, GitKraken, and Travis.

Libraries, Frameworks, Tools
Scikit-Learn, Pandas, Numpy, Pytorch, Matplotlib, Seaborn, Android SDK, WordPress, Flutter, BootStrap, React. Worked with GIS tools including QGIS and ArcGIS Pro.

Data Science & Machine Learning
Experience with SQL/SQLite databases. Data Cleaning/Analysis with Python and Jupyter Notebooks. Working with machine learning frameworks including Scikit-Learn and Pytorch to train and evaluate machine learning models including deep learning models such as CNNs. Evaluating classification and semantic segmentation models by looking at metrics such as accuracy, precision, recall, ROC AUC, IoU.

💼 Professional Experience

Machine Learning Software Engineering Intern, NASA Armstrong

06/2021 – 08/2021

   Remote summer intern for NASA Armstrong. Created geospatial tools and algorithms for obstacle detection from LIDAR point clouds.

Web Developer, Design Spinners

2012 – 2020 | Chatsworth, United States

- Performed regular maintenance of WP Engine hosted WordPress websites for company clients
- Troubleshooted and resolved technical issues with client websites
- Provided research, recommendations, and time estimates to integrate website features
- Implemented WordPress and Shopify template customizations and front-end functionality