6406 Makee Ave.
Los Angeles, Ca 90001

Danny C. Padilla
github.com/dannypadilla

(323) 327-3023
dpadilla010@gmail.com

EDUCATION

Los Angeles, Ca	California State University, Los Angeles	Fall 2015 – May 2018

- B.S in Computer Science, May 2018
- Coursework: Artificial Intelligence, Concurrent and Distributed Programming, Cryptography, Data Science, and Robotics

EMPLOYMENT

Instructional Student Assistant for Computer Science	California State University, Los Angeles	Fall 2016 – Spring 2017

- Provide supplementary instruction and assistance to students for various computer science courses
- Evaluate student skill set and provide help to clarify concepts

Configuration Controller	**Pacific Contours** – Anaheim, Ca	2008 – 2013

- Enter EBOM/MBOM and parts list configurations to Epicor ERP System
- Maintain company website; upload photographs, documents, and profile updates

TECHNICAL EXPERIENCE

Projects

- **SDES/RSA** – Cryptography and Information Security (CS4780) – Spring 2017
  - Implement both the Simplified-DES block cipher and an RSA digital signature system using Java
  - In both cryptosystem, discover if message tampering has occurred or whether keys were compromised
- **Object Detection** – Robosub – Autonomous Underwater Vehicle Robotics Competition - Los Angeles, Ca 2018
  - Use machine learning and computer vision to detect underwater objects using Python
  - Develop preprocessing techniques to achieve higher detection accuracy and minimize computation
- **Graffiti Locator** – Santa Barbara Hackathon 2016
  - Create a web application that helps geotag graffiti via GPS location using ESRI ArcGIS platform
  - Use scikit-learn to train the app to distinguish between graffiti and street art using Python

ADDITIONAL EXPERIENCE AND AWARDS

- **Association for Computing Machinery** – California State University, Los Angeles   Spring 2016 – Spring 2017
  - Executive Council Member (Fall 2016 – Spring 2017)
    - Assist with teaching coding workshops, planning events, and meetings
  - ACM Member of the Quarter Award - Spring 2016
  - ACM Picade - Spring 2016
    - Outfit a team-built arcade cabinet with a Raspberry Pi 3, two arcade sticks, monitor, and speakers
    - RetroPi was the platform used for student to develop, create, and upload games
  - ACM Magic Mirror
    - Install a personal assistant mirror with a Raspberry Pi 3 and supported open source software
    - A hands-on demonstration for students and members of how software and hardware are collaborated
- **Hackathons** - 2016/2017 Season
  - Citrus Hack, Poly Hack, Hacktech, Beach Hacks, SB Hacks, LA Hacks, Car Connected 2016, Lady Problems Hackathon
  - Enjoyed the environment and enthusiasm of creating and collaborating among various students and professionals from different backgrounds, majors, and industry
  - Felt pressures of deadlines, finalizing projects, distributing tasks, communication, motivation, disappointment, and sleep deprivation

LANGUAGES AND TECHNOLOGIES

- Java, Python, JavaScript, MySQL, HTML/CSS; git, OpenCV3, scikit-learn, Numpy, Pandas, and MEAN Stack
- MacOS, homebrew; Ubuntu; IntelliJ, Pycharm; Emacs
- Fluent in English and Spanish