Patricia Echual

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PROFILE

Adaptable, energetic software engineer seeking impactful experiences to develop skills in cybersecurity. Open to travel / relocation.

EDUCATION

California State University, Long Beach (CSULB) **Aug 2014 – Jan 2019**
Bachelor of Science in Computer Science

FIELD EXPERIENCE

Project Manager, Developer **July 2018 – Present**
In-Depth Cognitive Solutions | Los Angeles, CA

- Lead 4-person startup (CEO, 1 PM, 2 SWEs) to ensure completion of a news tracking Artificial Intelligence (AI) by performing technical and business evaluations, project streamlining, documentation, and work delegation
- Command marketing and public relations strategies to build reputation, promote values, and engage with potential clientele

Infrastructure Security Engineering Intern **Jun 2017 – Aug 2017**
Lockheed Martin | Orlando, FL

- Standardized operational requirements by developing provisioning, system configuration, and network definitions for the security engineering sandbox environment
- Developed dashboard analytics to identify potential unauthorized use of AWS accounts using Splunk SPL
- Supported migration from Waterfall to Agile by creating a Scrum/Kanban and JIRA knowledge-base on Confluence

Enterprise Applications Intern **May 2016 – May 2017**
Southern California Edison | Irwindale / Rosemead, CA

- Created an ETL pipeline to reduce overhead by automating the reporting of behavioral patterns in the operations of ~90 software application areas using SAS/SAS Macros, VBA, and SQL
- Produced visualizations to impart department-critical information to IT service operation managers and CEO/CIO

Research Intern **May 2015 – Aug 2015**
National Science Foundation | Miami, FL

- Made major analytical contributions to thesis, and produced analysis and built network simulations using MATLAB
- Co-authored paper, which led to its acceptance to (and the invitation to present at) the 2016 IEEE Systems Conference

PROJECTS

Developer **Sept 2018 – Present**
"Groovy Tunes"

- Standalone peer-to-peer service that allows users to stream music
- Technology stack: Java 8, JavaFX, GSON, UDP Client-Server, TomP2P

Developer **Jun 2018**
"Virtual Drake"

- Mobile application that instantiates a low poly model of Aubrey "Drake" Graham (the music artist) in augmented reaility
- Technology stack: Unity3D, Vuforia, C#, iOS

Member, Developer **Aug 2017 – May 2018**
"Extracurricular Schooling" **(Version 1.0.0)**

- Web application that encourages users to read educational material and earn points as rewards
- Responsible for creating full registration, partial registration, forget password, and forget username features
- Technology stack: C#, ASP.NET Web API, Entitiy Framework, SQL Server, Vue JS, HTML, CSS, Axios

Co-Founder, Software Lead, Developer **Oct 2016 – Dec 2017**
Stellar Aerial Robotics

- Quadcopter that utilizes image recognition technology to scan license plates and facilitate parking enforcement
- Led a three-person software team that designed and built the image recognition feature of the project
- First-place winners and $50,000 seed money recepients of the 2017 CSULB Innovation Challenge
- Technology stack: OpenCV library (Python), Raspberry Pi, Bash

Member, Developer **Sept 2017 – Dec 2017**
"Double Trouble Chat"

- Web application that provides chat rooms for users to communicate securely
- Security stack: SSL, JWT, Public Key Exchange, RSA-2048, AES-256 CBC, PKCS7, HMAC w/ SHA-256, OAEP
- Technology stack: Django (Python), Django REST Framework, Apache HTTP Server, SQLite, Bootstrap, jQuery