

Courtney T. Ngai

Software Engineer

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SUMMARY

A creative and innovative full stack software engineer with experience working with multiple environments to build exceptional products.

EDUCATION

Barrett, the Honors College at Arizona State University

Computer Science, B.S.

GPA 3.98/4

Aug 2015 – May 2019

Minor in Dance

New American University Scholar - President's Award

Ira A. Fulton Schools of Engineering Dean's List

PROFESSIONAL EXPERIENCE

Software Engineer II at PayPal, Scottsdale, Arizona

Feb 2021 - Present

Software Engineer I at PayPal, Scottsdale, Arizona

July 2019 - Feb 2021

- Collaborate with product and software architects to define, develop, and implement new credit products.
- Back-end Technologies: **Java 8, Spring, Maven, SQL, JUnit, GIT, REST, JSON, Apache Tomcat, Jenkins, Docker**
- Front-End Technologies: **React, Node.js, Jest, Mocha, Chai, Sinon, Mockery, Selenium, GraphQL**

Software Engineer Intern at PayPal, Scottsdale, Arizona

May 2018 – Aug 2018

- Designed a full stack web application for a few of PayPal's RESTful services in PayPal Credit
- Experience with **React, Express.js, Node.js, Bootstrap, SQL**.
- Implemented SSO with 2-Factor Authentication into the full stack web application
- Created builds using Jenkins and deployed the application

Software Engineer Intern at Avnet, Chandler, Arizona

May 2017 – Aug 2017

- Generated a PetaLinux Software Board Support Package v2016.4 utilizing Linux OS build scripts.
- Released Installation Guide Manual v2017.1 for VirtualBox and Xilinx Vivado/SDK Tools.
- Created **iOS IOT** Bluetooth application to demonstrate 3D Motion Graphics with user interactive motion.

IT/Data Analytics Intern at Avnet, Chandler, Arizona

May 2016 – Aug 2016

- Modified IoT IBM Bluemix UI dashboard web application code using **HTML, JavaScript, and CSS**.
- Demonstrated IBM Bluemix application and new dashboard at Avnet Field Application Engineering Expo.
- Updated PetaLinux Board Support Package builds via modification of build scripts on Linux OS and released board status from v2015.4 to v2016.2 for Avnet Zedboards: PicoZed, MicroZed, and Zync Mini-ITX.

PROJECTS

- **Choices Poll** (2018). Developed a voting poll web application in **Python** for **Honors Thesis/Creative Project**. The app allows users to vote on adjectives in real-time.
- **iOS Bluetooth Sensor App** (2017). Created an iOS IoT App in **Swift 3** that displays the accelerometer, temperature, and humidity data from a Bluetooth LE hardware device.