

# Dennis Nguyen

dn00.github.io

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## JACK OF ALL TRADES, MASTER OF GOOGLING

### EDUCATION

#### **CALIFORNIA STATE UNIVERSITY, FULLERTON** | BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Fall 2014 - Spring 2018 | Fullerton, CA

#### **UNIVERSITY OF CALIFORNIA, DAVIS** | COMPUTER SCIENCE

Fall 2012 - Spring 2013 | Davis, CA

#### **ORANGE COAST COLLEGE** | COMPUTER SCIENCE

Fall 2009 - Spring 2012 | Costa Mesa, CA

#### **UNDERGRADUATE COURSEWORK**

Data Structures • Algorithms • Database • Compilers • Software Engineering & Testing • Operating Systems • Open Source Software Development • Technical Writing • Game Programming

### COMPUTER SKILLS

#### **PROGRAMMING LANGUAGES**

Working knowledge:

Java • Python • C++

Basic Knowledge

x86 Assembly • C# • HTML5/XML/CSS3 • Javascript • PHP

#### **OPERATING SYSTEMS**

Linux • Windows • Android

#### **MISC**

Git • SQL • Web APIs • Bash & Shell Scripting • Hardware assembly & maint. • Adobe Photoshop

#### **FRAMEWORKS/LIBRARIES/TOOLS**

Flask Web Framework • Celery Distributed Task Queue • SQLAlchemy  
Visual Studio Code • PyCharm IDE • Android Studio • Unity Game Engine

### PERSONAL PROJECTS | Visit [dn00.github.io](https://dn00.github.io) for more details

#### **PREVIEW - PROJECT IN PROGRESS** | ANDROID CAMERA APP WITH PRE-RECORDING FUNCTIONALITY

Built with Android Studio • Written in Java

- Captures user selectable n seconds of video and audio before the shutter button is pressed.
- Utilizes circular array data structure, OpenGL ES, advance Android APIs and is a conglomerate of open source projects.

#### **A-BAY** | AMAZON TO EBAY DROPSHIPPING MANAGEMENT SOFTWARE

Built on Flask Web Framework using Celery Task Queue, PySQL, SQLAlchemy, Bootstrap • Written in Python

- A complete e-commerce solution for selling Amazon products on eBay utilizing Amazon and eBay's web API.
- Built to scale as well as accelerate and automate the work flow of an eBay dropshipping business.
- Functions includes: CRUD style management of products • price matching Amazon prices to eBay • automated shipment tracking updating • costs/profit history • multiple account capability • Amazon item and description scraper • and multi-server distributed task queues for rapid updates.

#### **A-BAY ANDROID APP** | SUPPORT APPLICATION FOR ORDERING OF AMAZON PRODUCTS

Built with Android Studio using Amazon API, eBay API, Javascript • Written in Java

- Semi-automates the ordering process of an Amazon product on an Android device, allowing for mobility of an eBay business.
- Retrieves order information from eBay's API and displays orders in most recent first along with relevant order information.
- Uses Javascript injection to semi-automate the ordering process. User taps a button for entry of order information during Amazon ordering process.

#### **DEXCUBE** | 3D ANDROID GAME

Built with Unity 5 and Android services library • Written in C#

- Minimalistic graphics with simplistic yet addictive and challenging gameplay; player dodges obstacles with touch controls.
- Connected to Google Play for leaderboard statistics.