

DANIEL YEN

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Education

Stony Brook University, College of Engineering and Applied Science
B.S. Computer Science

Stony Brook, NY
Expected Graduation: Summer 2018

Skills & Knowledge

Programming Languages

Java, C, Swift, Javascript, Python

Web Development

HTML, CSS, ReactJS, jQuery, AJAX, JSP, Servlets, JSTL, Java Beans

Database

SQL, Firebase, JSON, GraphQL, JDBC

Relevant Knowledge

OOP, MVC Design, Git, Linux, JUnit

Experience

iOS Developer, DigitalSwitchNY [www.digitalswitchny.com]

Jan 2017 – Oct 2017

- Worked with the iOS development team to produce an E-Commerce app for Gb's Sneakers.
- The app is directly connected to their Shopify website and utilizes Mobile SDK Buy, which uses GraphQL.
- All user information is managed by Firebase, and take advantage of their real-time database.
- Maintained E-Commerce system and also added an award system by using QR code.

iOS Developer, Stony Brook University Hospital

June 2017 – Sept 2017

- Researched with colleagues on an iOS app called Code Blue, under Dr. Paul Fodor.
- The main purpose of the app is to record data of a patient undergoing cardiac arrest, as well as helping new residents to understand the procedure.
- Improved recommendation system to mimic the exact operation step by step.

Assistant Technician, A Finer You [www.afineryou.com]

June 2016 – Aug 2016

- An informational website of a medical clinic, located in Great Neck, New York.
- Cooperated in the design and development of the website, created documents and forms for medical practices and assisted the doctor with technical support in day to day activities.

Projects

Redistricting Gerrymandered States (HTML, CSS, Javascript, Google Map, Json, Spring)

Jan 2018 - Present

- Team project describing how politicians manipulate district boundaries to gain an advantage.
- By using data collected, district boundaries can be redrawn to ensure a fair election.
- Worked on the front end by using Google Map features to create an interactive map.
- Interactive features such as zooming in a state and also redrawing new boundaries based on data.

EasyFill (Swift, Alamofire, Microsoft Azure)

Jan 2018

- A mobile application, developed as a team to help the blind or the visually impaired to fill out forms.
- Each text field is read out using AV Speech and the user writes the response on the iPhone/iPad.
- By using Computer Vision API from Microsoft Azure, images of handwriting can be analyzed and returned as text, then each text can be filled in the form.

E-Amazon (Java, JDBC, SQL, Servlets, JSP, Expression Language, CSS)

Dec 2017

- Group project made to mimic Amazon, which includes features such as buying and selling items.
- The database is handled by JDBC, and all information is stored and managed in SQL.

SlideShowMaker (Java, Javascript, HTML, CSS)

Nov 2015

- Implemented Web utility that displays slideshows in the browser and allows dynamic actions such as running the presentation with animations using Javascript.