

# JAE HO (JEFF) YANG

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## EDUCATION

Northwestern University

Expected Graduation: 06/2021

Evanston, IL

- **Major:** Computer Science, B.A
- **GPA:** 3.86/4.00
- **Programming Coursework:** Design & Analysis of Algorithms, Computer Networking, Programming Languages

## EMPLOYMENT

Esri

06/2020-09/2020

Incoming Software Engineer, Intern  
Operations Dashboard Team

Redlands, CA

Knowru Limited

07/2019-08/2019

Software Engineer, Intern

Seoul, South Korea & Chongqing, China

- Built web application “video-kyc” utilizing React/Redux/Node.js to support loan processing companies in making loan decisions through foolproof verification.
- Designed the architecture of the application by producing a system of modular React components, integrating them with API calls to fetch real-time customer data for greater scalability and customizability.
- Implemented an application-embedded video call system between the loan agent and loan applicant using WebRTC.
- Streamlined application integration for customers across the greater China region by enabling video-call screen rendering on iOS mobile devices, identifying and debugging an outdated legacy JavaScript code.
- Leveraged Knowledge in Git, React.js, WebRTC, Flask RESTful APIs, and debugged using Chrome Developer Tools

Knowru Limited

07/2017-09/2017

Software Engineer, Intern

Seoul, South Korea

- Developed user experience enhancement features, such as sending automated emails and auto-generated PDF reports, utilizing JavaScript and Python.
- Implemented a user dashboard data visualization graph leveraging SQL and JavaScript’s ChartJS library.
- Wrote test suites using Python’s “unittest” framework to bolster skills in the Test Driven Development (TDD) approach.
- Engaged in bi-weekly peer programming and code review sessions with senior engineers.
- Leveraged Knowledge in Git, Django, JavaScript, Unit Testing, PostgreSQL, and debugged using Python Debugger.

## SOFTWARE PROJECTS

Personal Website: [www.jeffyangme.com](http://www.jeffyangme.com) (for full-range project portfolio)

Sublets.nu: [www.sublets.nu](http://www.sublets.nu) (Founder & Lead Developer)

- Built online booking site that streamlines the off-campus housing search, overseeing production from beginning to end.
- Managed the application development process from local development to product deployment on Heroku and AWS.
- Produced and integrated a chat application from scratch utilizing Django Channels.
- Utilized: Git, Python, Django, JavaScript, jQuery, PostgreSQL, AWS Lambda, AWS S3, AWS CloudFront, Heroku

Medlingo: [www.devpost.com/software/medlingo](http://www.devpost.com/software/medlingo) (TreeHacks 2020 Project)

- Hacked a react-native application that mitigates the potential linguistic barriers travelers may face when trying to access vital medications abroad.
- Obtained consistent and accurate generic medical substances for all brand-name drugs by extracting and parsing data returned from two different RxNorm database API calls.
- Utilized: Git, React.js, Figma, Google Cloud

Tweet Bot: [threewordthinker-api-heroku.herokuapp.com](http://threewordthinker-api-heroku.herokuapp.com)

- Built an automated tweet bot leveraging Python’s Tweepy library to access and interact with Twitter API.
- Implemented a three-word-sentence generator by web scraping an e-book, cleaning up the scraped data, and categorizing the words to generate a random sentence.
- Utilized: Python, Twitter API, Flask, Web Scraping (Beautiful Soup), Regex, Cron, HTML/CSS

## SKILLS

**Software:** (*proficient*) Python (Django, Flask), JavaScript (React, React-Native, Node.js), Git, HTML/CSS (*familiar*) Java, C++, Go