

JAE HO (JEFF) YANG

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EDUCATION

Northwestern University

Expected Graduation: 06/2021

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

SKILLS

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

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” using React/Redux/Node.js to aid loan processing companies in making loan decisions through foolproof verification
- Designed the architecture of application through creating a system of modular React components and integrating them with API calls to fetch real-time customer data, resulting in greater scalability and customizability
- Implemented an application-embedded video call system between loan agent and loan applicant using WebRTC
- Expedited the integration of application in China by enabling video-call screen rendering on iOS mobile devices by identifying and debugging outdated legacy JavaScript code, while working in Chongqing office
- Leveraged Knowledge in Git, JavaScript, 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 in JavaScript and Python such as sending automated emails and auto-generated PDF reports
- Implemented a user dashboard data visualization graph using SQL and JavaScript’s ChartJS library
- Wrote test suites using Python’s “unittest” framework to practice Test Driven Development (TDD) approach
- Engaged in peer programming and code review sessions twice a week with senior engineers
- Leveraged Knowledge in Git, Django, JavaScript, Unit Testing, PostgreSQL, and debugged using Python Debugger

SOFTWARE PROJECTS

Housing-NU: <https://housing-nu.herokuapp.com> (Founder & Lead Developer)

- Initiated a project to solve problems in the domain of off-campus student housing search
- Architected the web software infrastructure (Django, Django Channels, Daphne, PostgreSQL, AWS)
- Integrated a chat application built from scratch with Django Channels
- Managed application deployment on Heroku and AWS
- Utilized: Git, Python, Django, Django Channels, PostgreSQL, Bootstrap, JavaScript, jQuery, HTML/CSS

Personal Website: <https://www.jeffyangme.com>

- Built a personal website from scratch using Python’s Flask micro-framework
- Integrated a flat text-file objectifying Flask extension “Flask-Flatpages” for posting markdown files
- Deployed on a Ubuntu Linux server using Nginx and Gunicorn
- Utilized: Git, Python, Flask, Linux, Nginx, Gunicorn, SQLAlchemy, HTML/CSS

Tweet Bot: <https://threewordthinker-api-heroku.herokuapp.com>

- Built an automated tweet bot using 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 scraped data, and categorizing words to generate a random sentence
- Automated tweet bot by adding a Python script as a daily Cron Job on local machine
- Utilized: Python, Twitter API, Flask, Web Scraping (Beautiful Soup), Regex, Cron, HTML/CSS