JAE HO (JEFF) YANG

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EDUCATION

Northwestern University   **Expected Graduation: 06/2021**

- **Major: Computer Science, B.A**
- **GPA: 3.91/4.00**
- **Programming Coursework:** Introduction to Computer Systems, Data Structure & Management, Human Computer Interaction, Data Management & Information Processing

EMPLOYMENT

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
- <u>Leveraged Knowledge</u> 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, jQuery, 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
- <u>Leveraged Knowledge</u> in Git, Django, JavaScript, Unit Testing, PostgreSQL, and debugged using Python Debugger

SOFTWARE PROJECTS

Personal Website: 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
- <u>Utilized:</u> 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, categorizing words into three different lists to use as the first, middle, and last word of a randomly generated sentence
- Integrated the tweet bot functionality with a user-friendly interface through a simple Flask web application
- Automated tweet bot by adding a Python script as a daily Cron Job on local machine
- <u>Utilized:</u> Python, Twitter API, Flask, Web Scraping (Beautiful Soup), Regex, Cron, HTML/CSS

LEADERSHIP

Northwestern University   **09/2019-Present**

Resident Assistant   Evanston, IL

- Managed a university residence hall floor of 40 ethnically diverse undergraduate students, and regularly held floor meetings to discuss community expectations and standards
- Enforced University and Residential Life regulations to maintain a safe living environment for all residents
- Performed on-site walking duties and desk shifts for 10 to 15 hours per week, and addressed any issues raised by residents

SKILLS

Software: *(proficient)* Python, JavaScript (React, Redux, Node.js), Git, HTML *(familiar)* SQL, C++, Java, CSS