Joshua Lee

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EDUCATION

Northwestern University, Evanston, Illinois   Anticipated June 2023
Bachelor of Science in **Computer Science** | Cumulative GPA: **3.71/4.0**
Relevant Coursework: Agile Software Development, Data Structures & Algorithms, Networking,
Web Development, Data Science Pipeline

WORK EXPERIENCE

Software Engineer Intern, Federal Reserve Bank of Chicago   Jun 2022 — Sep 2022
- Re-architected internal tool with Angular that lets employees schedule work asset replacements with IT; increased user efficiency by 20% and used by 1500+ employees
- Created automated workflows sending reminder emails and calendar invites to correspondents with upcoming appointments; improved user satisfaction by 25% and led to less work disruptions
- Maintained and debugged code on ongoing project, fixing over 50% of reported bugs in backlog
- Liaised with project managers to identify minimum viable product requirements and clearly defined features into well scoped user stories

Software Development Intern, Peerpal   Jul 2021 — Jun 2022
- Developed peer-grading web application using React/Next.js used by 200+ students, allowing for more efficient teaching and learning; decreased faculty grading times by 75%
- Created RESTful API routes to get/post data of submissions, assignment statuses, and course settings based on dynamically chosen user inputs
- Coordinated and led weekly team and faculty Agile stand-ups to review progress and set sprint goals and tasks

PROJECTS

NU Room, Northwestern University   Mar 2022 — May 2022
- Launched roommate matching service for incoming students showing matches based on user preferences using React
- Implemented local storage for saving user data and hosted website on Firebase
- Wrote unit tests using Jest to ensure correct functionality of code

Institute of Electrical and Electronics Engineers, Northwestern University   Jan 2022 — Apr 2022
- Scraped tweets related to Covid and performed sentiment analysis in team of 5 students
- Mapped Covid-19 sentiment for each US state on interactive map using GeoPandas

Personal Projects
- **Spotify Playlist Generator:** Designed Python program that generates Spotify playlist   Mar 2021
with songs from online database based on user's current listening patterns
- **2D Platform Game:** Co-created Galaga like 2D balloon popping game using C++   Feb 2021 — Mar 2021

LEADERSHIP EXPERIENCE

Northwestern Blockchain Group, Enterprise Chair   Jan 2021 — Jan 2022
- Organized and led speaker events with startups, discussing crypto and startup environment
- Researched ways to incorporate blockchain technology into the Icelandic government's efforts to increase tourist numbers in the country safely

TECHNICAL SKILLS

- Programming: Python (Proficient), JavaScript (Proficient), C/C++ (Moderate), Java (Moderate), HTML/CSS
- Tools/Frameworks: Angular, React, Next.js, Node.js, Git, Linux, PostgreSQL
- Languages: French (Proficient), Korean (Proficient), Spanish (Basic), Arabic (Basic)