Kevin Cao

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🌐 https://defcoding.github.io ⌃   in /in/cao-kevin ⌃

EDUCATION

University of Chicago   Graduation Date: June 2022
   M.S in Computer Science   Chicago, IL
   Cumulative GPA: 4.00 / 4.00

Indiana University   Graduation Date: May 2021
   B.S in Computer Science | Minor in Mathematics   Bloomington, IN
   Specialization: Software Engineering
   Major GPA: 3.971 (Cumulative GPA: 3.416) / 4.00

TECHNICAL SKILLS

Languages	Python, Javascript, Java, C/C++, HTML, CSS, Haskell, Swift, Bash, C#, x86
Frameworks	ReactJS, Ant Design, Bootstrap, jQuery
Databases	PostgreSQL
Other	Unix, Git, Docker, Intellij, XCode, RESTful APIs, Agile Development

WORK EXPERIENCE

Certik LLC   May 2021 - Present
Software Engineer Intern   New York, NY

- Develop in-house website and APIs using React, HTML/CSS, and NodeJS to expedite the auditing process.
- Employ AWS utilities such as DynamoDB, Lambda, and SQS to handle server backend and automation.
- Communicate closely with end-users to implement desired features and fix bugs in a timely manner.
- Collaborate with senior auditors to analyze client Solidity smart contracts and report on security vulnerabilities, correctness, and optimizations.
- Research and utilize useful external SAAS and APIs to be integrated into auditing tools.
- Nominated for the monthly Founder's award in the first month of the internship.

Indiana University Department of Computer Science   May 2019 - May 2021
Data Structures Head Undergraduate Instructor   Bloomington, IN

- Received the UI of the Year award in Spring 2021 after receiving more than 80% of the nominations from the CS department.
- Boosted grading efficiency by 99% by building various scripts to automate grading processes for over 100 students.
- Led other instructors as the head assistant and facilitated communication and teamwork.
- Instructed laboratory classes to personally guide students and grant hands-on experience with building data structures.
- Held office hours to answer questions and provided supplementary lectures to topics discussed in class.
- Published multiple Youtube videos and blog posts going in-depth over topics covered in the course.

TECHNOLOGY PROJECTS

S.P.I.D.E.R. (Stocks Program Investing Dogecoin when Elon Retweets) ⌃   Mar 2021

- Designed a script utilizing the Twitter API to fetch Elon Musk's tweets and invest in Dogecoin using the Robinhood API whenever a tweet about cryptocurrency or doge is made.
- Augmented script with a notification service using the Pushbullet API to notify user through their mobile device when a relevant tweet was detected.

Tokyo Grill Inc. Website ⌃   Jan 2021

- Cut website costs by over 90% for Tokyo Grill as the sole developer of the website.
- Developed and deployed static site with the Sanity.io CMS and ReactJS/MDBootstrap frameworks.

Rofi Dictionary ⌃   Dec 2020

- Programmed a dictionary app that communicates with the Oxford Dictionary API to retrieve definitions of queried words.
- Built user interface by using the Rofi Linux application and piping data with Python's subprocesses library.

Teaching Assistant Discord Bot ⌃   Mar 2020

- Created a bot that interacted with the Discord API to assist instructors in teaching online courses and remote learning.
- Organized a queue of students while maintaining an interactive topic subscription list using the bot.