
Kevin Cao

  <https://defcoding.github.io>   [/in/cao-kevin](https://www.linkedin.com/in/cao-kevin)

EDUCATION

University of Chicago M.S in Computer Science Cumulative GPA: 4.00 / 4.00	Graduation Date: June 2022 Chicago, IL
Indiana University B.S in Computer Science Minor in Mathematics Specialization: Software Engineering Major GPA: 3.971 (Cumulative GPA: 3.416) / 4.00	Graduation Date: May 2021 Bloomington, IN

TECHNICAL SKILLS

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

WORK EXPERIENCE

Certik LLC <i>Software Engineer Intern</i>	May 2021 - Present New York, NY
<ul style="list-style-type: none">• Develop in-house tools and website using React, HTML, and CSS to expedite the auditing process for the engineering team.• Communicate closely with end-users to implement desired features and fix bugs in a timely manner.• Work 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 monthly Founder's award in the first month of the internship.	
Indiana University Department of Computer Science <i>Data Structures Head Undergraduate Instructor</i>	May 2019 - May 2021 Bloomington, IN
<ul style="list-style-type: none">• Boost grading efficiency by 99% by building various scripts to automate grading processes for 130 students.• Lead other instructors as the head assistant and facilitate communication and teamwork.• Instruct laboratory classes to personally guide students and grant hands-on experience with building data structures.• Hold office hours to answer questions and provide supplementary lectures to topics discussed in class.	

RESEARCH EXPERIENCE

Research Assistant	August 2020 - December 2020
<ul style="list-style-type: none">• Designed a program to perform computations of molecular dynamics through the interpretation of chemical assemblies as chemical abstract machines.• Implemented the chemical abstract machine and performed asynchronous computation by using Scala's Chymyst library.	

TECHNOLOGY PROJECTS

S.P.I.D.E.R. (Stocks Program Investing Dogecoin when Elon Retweets)	March 2021
<ul style="list-style-type: none">• 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 notify user through their mobile device when a relevant tweet was detected.	
Tokyo Grill Inc. Website	January 2021
<ul style="list-style-type: none">• 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.	
Teaching Assistant Discord Bot	March 2020
<ul style="list-style-type: none">• 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.	