

William Chen

<https://www.linkedin.com/in/willchenn/>
<https://github.com/smallchungus/>
<https://willchen.herokuapp.com/>

Email : wchen1396@gmail.com

Mobile : 225-250-8793

EDUCATION

- **New Jersey Institute of Technology** Newark, NJ
Masters of Science in Computer Science; GPA: 3.5 September 2022 - Current
- **Rutgers University** New Brunswick, NJ
Bachelor of Arts in Psychology, Minor in Computer Science Graduated May 2022

WORK EXPERIENCE

- **StudyFind** Atlanta, GA
Software Engineer Intern April 2023 - Current
 - **HTML, CSS, JavaScript, React:** Created and updated HTML, CSS, and JavaScript deliverables to enhance website functionalities and improve user experience, utilizing React for efficient development and implementing best practices for CSS, HTML, and JavaScript.
 - **Python, Pandas, Beautiful Soup:** Collaborated with a team of software engineer interns to develop a web scraping tool using Python, Pandas, and Beautiful Soup. Utilized the tool to search for email addresses from a list of nonprofits, identifying individuals with shared interests relevant to StudyFind.
- **Arroyo Seco Saints** Pasadena, CA
Web Development Intern March 2023 - Current
 - **Web Development:** Collaborated with other web development interns to support the Arroyo Seco Saints, a non-profit organization, by implementing custom WordPress plugins to streamline their website's functionality and improve user experience.
 - **Wordpress, CSS, HTML:** Revamped outdated HTML and WordPress websites by utilizing CSS to create a cohesive design, effectively archiving and preserving historical information for future reference.
- **Spencer's Gifts** Egg Harbor Township, NJ
Software Engineer Intern Sept 2022 - December 2022
 - **JAVA:** Created an internal login and register system where login information was saved onto an Excel sheet using Apache POI and a SQL server and unregistered user details were crosschecked to existing users to verify login designed with a model view controller architectural pattern.
 - **JavaScript, CSS, HTML:** Users that logged in were able to view a dashboard created using Javascript and the API WebDataRocks where users were able to view orders and orders per hour by location generated by the API.
 - **Spring, REST API:** Created a RESTful API that generated data from CSV sheets and delivered data in the form of JSON whenever called using Spring Boot.

PROJECTS

- **Network Layer Deanonymizer utilizing Bitcoin Core**
Languages Used: Google Cloud Instance, Python, MySQL, BitCoin Core, Data Analysis March 2023 - Current
 - **Python, Network Listening:** Developed a network layer deanonymizer for Bitcoin, leveraging its broadcast protocol to identify the IP addresses associated with each transaction. Conducted detailed analysis of the Bitcoin network to determine key hubs and map transaction hashes to real-world entities.
- **Algorithmic Trading Quantitative Momentum Investment Strategy** January 2023 - Current
Languages Used: Python, NumPy, Pandas, SciPy, Jupyter Notebook, Backtesting, Data Analysis
 - **Algorithmic Trading:** Developed and implemented a quantitative momentum investment strategy algorithm using Python, NumPy, Pandas, and SciPy to analyze financial data from the IEX API in a Jupyter Notebook.

EXTRACURRICULAR

iMentor March 2023 - Current: Provided 1 on 1 mentorship to an 11th-grade student, supporting their path to becoming a software engineer by checking in on them weekly and guiding them through tasks such as getting researching potential colleges.