

# NATHAN CHEN

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## EDUCATION

### Bachelor of Science in Computer Science

December 2025

Florida International University; Miami, FL

GPA: 3.940/4.000

- FIU Honors College Student
- FIU Ambassador Merit Scholarship; Bright Futures Florida Academic Scholar

## SKILLS

- Programming Languages: Java, SQL(MySQL and PostgreSQL), Python, HTML, CSS, Javascript, C#
- Software Tools: IntelliJ, PyCharm, Jupyter Notebook, Visual Studio Code, Terminal(Shell), Postman

## EXPERIENCE

### Innovative Technology Gis Lab Intern

May 2024 – Aug 2024

City of Coral Gables; Miami, FL

- Collaborated in development and project implementation of a web application for integrating ArcGIS PRO with augmented reality (AR) leveraging HTML, CSS, and JS as well as geolocation API
- Created a web interface to access AR virtual environments to showcase currently developing AR project to city
- Engineered a NFT Web Interface for redeeming of OpenSea NFTs through use of HTML5, CSS and Bootstrap for responsive styling, and Javascript for interactive elements

### Phone & Remote Desktop Support

September 2023 - March 2024

AMG Certified Services; Miami, FL

- Accommodated and engaged with blind clients patiently with basic tasks through FaceTime, Artificial Intelligence, screen sharing tools, voiceover accessibility features on Apple products, and Seeing AI by Microsoft

### Tech Assistant

July 2021 - August 2021

Office/Tech Assistant / Jorge Mas Canosa Middle School; Miami, FL

- Devoted 150 hours to assisting with technological aspects of school, such as setting up and networking teachers' computers, audio systems, and laptop carts in a team-oriented fashion with concern for detail and quality

## PROJECTS

### Panther Vision 2024 ShellHacks | Node.JS | SQL | Python | Gemini API | Miami, FL

September 2024

- Developed a career and networking recommendation platform for FIU students, enhancing student engagement
- Employed Google's Gemini AI model to generate and deliver consistent tailored recommendations of FIU majors and official student organizations based on user interests, values, and preferences
- Scraped FIU's catalog of majors/organizations to successfully interact with and train Gemini AI API

### AI Stock Forecasting with Real-time Push Notifications | Python | Miami, FL

September 2024

- Created a machine learning tool to predict stock prices using ARIMA model with only a MAPE of 0.12%
- Integrated dynamic stock data from Yahoo Finance API based on user input of ticker symbol as training data
- Implemented real-time push notifications on macOS for user-defined buy/sell price thresholds

### Bookstore Restful API | Java | Miami, FL

August 2023 - November 2023

- Developed backend of RESTful API, functioning as a bookstore with use of Spring Boot Java
- Collaborated as a team of 6 individuals, implementing scrum process and having a total of 5 sprints
- Programmed user aspect for bookstore and integrated MySQL database for all user and book data

### Dictionary | Java | Miami, FL

April 2023

- Developed a Java program with dictionary functionality to add, find, and replace words with respective meanings
- Added new words to dictionary would be lexicographically ordered through use of binary search trees

### Bank Account | Java | Miami, FL

April 2023

- Designed a bank account Java program using object-oriented programming, testing the program through console
- Oversaw and coded functional backend aspects of bank account such as adding and withdrawing money

## ORGANIZATIONS

### INIT | Member | Miami, FL

- Participated on targeted workshops and resources emphasizing career readiness in the tech industry
- Engaged in exploratory workshops diving into various avenues of software engineering