

# Jacob Vorndran

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## EDUCATION

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**Eastern Florida State College**, Melbourne, FL

**August 2020 – December 2021**

**CS Prerequisite Classes**

GPA: 3.6

**University of North Florida**, Jacksonville, FL

**Expected December 2024**

**Bachelor of Computer Science**

Major GPA: 3.51

**Relevant Courses:** Data Structures and Algorithms; Computer Networks; Data Wrangling with Python; Internet Programming; Databases.

## SKILLS

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**Programming Languages:** JavaScript, HTML, CSS, TypeScript, Python, C, C++, Java

**Frameworks:** React, Angular, Express, Flask, Django, Spring, Tailwind CSS

**Databases:** MySQL, SQLite, MongoDB

**Other:** User Authentication and Authorization (JWT), Git, GitHub, NPM, Webpack

- Object Oriented Programming
- Proficient in MVC architecture for developing scalable and organized web applications.
- RESTful API design and implementation for data communication in web application.
- Responsive Design

## PERSONAL PROJECTS

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### Project 1 - Stock Screener

[Live Site](#) | [Source Code](#)

**Description:** Web-based stock screener using Flask to identify potential trading opportunities using DeMark™ Indicators

**Technologies Used:** Flask, JavaScript, HTML, CSS, Web Scraping, SQLite

- Implemented an algorithm to scan over 7,000 stocks for bullish and bearish signals based on DeMark™ Indicators.

### Project 2 – Full Stack Financial Dashboard Application

[Live Site](#) | [Source Code](#)

**Description:** Comprehensive full-stack web application using the MERN stack, offering users a feature-rich financial dashboard for tracking stocks and market-related data

**Technologies Used:** MongoDB, React, Tailwind, Node.js, JWT, Express

- User authentication and authorization with JSON Web Tokens (JWT)
- Real time financial data integration, including stock prices, market open/closed status, and news updates.
- Personalized watchlist, fundamental and valuation data, stock visualization, and responsive design.

### Project 3 – Earnings Insights Dashboard

[Live Site](#) | [Source Code](#)

**Description:** Web application dedicated to delivering essential insights into upcoming earnings reports for various companies.

**Technologies Used:** Django, Python, Typescript, Angular, SQLite

- Displays detailed information of upcoming earnings reports for a wide variety of companies.
- Calculations of the relevant statistics like earnings estimate, one-week implied move, short interest, etc.

## ACHIEVEMENTS

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### Bright Futures Medallion Scholarship

**Reason Awarded** – 100+ community service hours, 3.0+ GPA, 1210+ SAT score.

**Amount Awarded** – 75% of tuition for 120 credit hours.

## ACTIVITIES

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### Lacrosse at The University of North Florida

**January 2022 –Present**

- Thrived in a fast-paced team environment, demonstrated leadership skills, balanced full course load concurrently.

### IEEEExtreme Programing Competition

- Collaborated with a team to tackle challenging programming tasks under a time constraint.