

# Paul Colandrea

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## EDUCATION

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### University of Central Florida

*Bachelor of Science in Computer Science, Dean's List (20/21), 3.68 GPA*

Orlando, FL

*Aug. 2019 – July 2021*

### Daytona State College

*Associate's in Art, 3.3 GPA*

Daytona, FL

*Aug. 2017 – May 2019*

## EXPERIENCE

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### Byte Federal

*Software Engineer*

April 2021 – Present

*Sarasota, FL*

- Collaborated on developing ByteWallet, a React-Native based non-custodial crypto bank, serving thousands of users globally.
- Spearheaded the implementation of "bank in a box" features, allowing users to open a US bank account and perform financial transactions such as sending funds and purchasing cryptocurrency directly within the app
- Oversaw the implementation of additional user experience enhancements to improve the overall functionality and usability of the app, such as adding Ethereum and Litecoin
- Developed a second, cross-platform Flutter app, for internal use; that exponentially increased driver's efficiency in repairing ATM machines while decreasing the total drive time.

## PROJECTS

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### MiSu Home v2 | *Capstone Project, Mozilla Sponsored*

- Facilitated external access control sharing for IoT devices via a React Native app, prioritizing user convenience and safety.
- Implemented hub-to-router connection for MiSu, allowing homeowners to personalize IoT access control and invite guests on a permission-by-permission basis. Resulted in a 40% reduction in access control requests and a massive improvement in user satisfaction.
- Leveraged React Native, Redux, AWS Lambda, AWS Amplify, and DynamoDB to create a seamless user experience.

### WhaleWar | *NextJS, TRPC*

- Created a free trading simulation website allowing users to challenge friends and compete for the highest profit during a specific time period.
- Developed a robust game engine enabling hundreds of users to customize their game by setting profit limits, leverage stocks or crypto, or determining game length.
- Implemented a dynamic leaderboard tracking user performance, awarding monthly milestones to top-performing users, promoting engagement and competition.

### Pupsta | *SwiftUI*

- Crafted an engaging iOS app for dog lovers to upload images and vote on the cutest pups.
- Implemented Amazon Rekognition on upload to ensure user safety by detecting and removing unsafe content from the platform.

### Malignant Tumor Detection | *Python, Tensorflow*

- Developed a fully-functioning model using the Naive Bayes algorithm that can correctly determine probability patient has malignant tumor
- Features include data from patients EHR, such as: radius, surface area, texture, concavity, exc.
- Achieves 96% accuracy

## TECHNICAL SKILLS

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**Languages:** Java, Javascript, Typescript, Python, PHP, Java, HTML/CSS, SQL, noSQL

**Frameworks:** React, React Native, Flutter, nextJS, Express, Django, Flask, FastAPI