

# Joseph A. Monaco

B.S. Software Engineering w/ Mathematics Minor at Monmouth University

## CONTACT INFO

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Phone: 732-998-6350

Github: [github.com/joemonaco](https://github.com/joemonaco)

LinkedIn: [www.linkedin.com/in/jmonaco98](https://www.linkedin.com/in/jmonaco98)

Email: [jmonaco0506@gmail.com](mailto:jmonaco0506@gmail.com)

## LANGUAGES

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- Java
- Swift
- Python
- Angular
- Javascript

## SKILLS

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- Git
- Agile Development
- Firebase Database
- HTML
- CSS
- Electron
- Model View Controller
- iOS Development

## RELEVANT COURSEWORK

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- Data Structures & Algorithms
- Requirements and Specifications
- Computer Architecture
- Software Design and Architecture
- Software Process Improvement
- Software Project Management
- Mobile Enterprise Apps
- Formal Methods of Software Engineering
- Microprocessors

## EDUCATION

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### Monmouth University

-B.S. Software Engineering w/ Mathematics Minor  
anticipated May 2020

## WORK EXPERIENCE

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### Hybrid Healthcare Communications: Intern

May 2019-Present

-Worked on web applications using Angular/Socket Servers and used Electron to package app into a desktop format

## PROJECTS

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### FoodRUlette

-iOS application for finding and ordering food around the four Rutgers Campuses built at HackRU Fall 2018

-Used Swift 4.2 and Xcode with [EatStreet.com](https://eatstreet.com) API

-Parsed JSON data based on response from EatStreet

-Used EatStreets API to provide link to order from selected restaurant.

### Hill Cipher

-A program that can encrypt and decrypt a phrase up to 8 letters using a hill cipher encryption.

-Used Java swing to create GUI

-User is shown matrices and vectors used for encrypting and decrypting

### CalPals

-iOS application for organizing events with other people

-Uses firebase for login authentication and as a database

-User can create events on their calendar and other users in their "group" can see the event as well

## CAMPUS INVOLVEMENT

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### • IEEE/ACM

- High School Programming Contest Coordinator(2018/2019)

- Organized contest, created Java Problems for students to solve, around 75 students in attendance

- President(2019/2020)

- Computer Science tutor(Fall 2018)

- Commuter Student Mentor(Fall 2018)

