

# TIMOTHY VAN CAUWENBERGE

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## EDUCATION

**B.S, Computer Science, Advanced Computing, 2020**

**Monmouth University** - West Long Branch, NJ

**Minor:** Physics

**Monmouth University Track & Field** – Division I

- Hurdle Captain 2017-2020 & 6x Metro Atlantic Athletic Conference Champion
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## IOS EXPERIENCE

- 4+ years of experience with full stack iOS apps writing clean, readable code

**Slate** - **iOS Translating Messenger App** – Swift/Objective-C

- Created & implemented UI/UX designs for all view controllers with Adobe XD, programmatically & Storyboard
- Enabled user authentication (Email & password) by making API calls to Firebase
- Gets and stores messages (text, photo, video, location, audio) & user data using Firebase Cloud Firestore and Realm for local storage
- Made requests to the Google Translate API to translate each message

**BUMP** – **iOS Music Discovery App** – Swift/Objective-C

- Developing app that makes finding new music as easy and fun as possible
- Authenticates to the Spotify Web API to enable API calls
- Initiates POST calls to get access token from access code
- Implemented network layer to perform network calls using the access token
- Performs GET calls to Spotify endpoints to display user's Spotify data as well as, song information in a card view using a cocoa library
- Previews 30 second audio for each song using AVFoundation
- Swiping right adds songs to a playlist on their Spotify account created by BUMP

**Dollar Cost Averaging Calculator** – **iOS Stock Calculator App** – Swift/Objective-C

- Made RESTful API calls to Alpha Vintage to query asset prices & financial data
- Used data to project potential returns for assets like stocks, shares, ETFs, etc.
- Wrote unit tests to ensure logic is maintained and protected from invalid change
- Built using reactive architecture where states are observed using Combine

## WORK HISTORY

**Web Developer Intern, 11/2019 to 11/2020**

**BLENDtw** - New York, NY

- Helped grow the website by 1,000+ viewers monthly through optimizing articles & website with SEO, crawlers & sitemaps
- Added website branch “BLENDtw Community” that allows students from all over to create accounts and submit their own stories for review
- Designed, implemented & monitored website for improvements

## CONTACT

**Address :** West Orange, NJ 07052

**Phone :** (973) 885-2528

**Email:** [Timmvanc@gmail.com](mailto:Timmvanc@gmail.com)

**LinkedIn:** [Tim Van Cauwenberge](#)

**GitHub:** [Timmyvc123](#)

[VanCauwenberge.com](#)

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## SKILLS

**Languages/Technologies:**

Swift | Objective-C | HTML/CSS  
XCode | JavaScript | Unit Testing  
JSON | TypeScript | UI/UX Design  
Design patterns & principles

**Frameworks/Libraries:**

UIKit | CoreData | Firebase  
RESTful API's | CocoaPods  
Realm | Alamofire | SwiftUI  
AVFoundation | Spotify API

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## PROJECTS

**Slate Website**

- Website showcasing Slate, the translating messenger app

**Portfolio Website**

**VanCauwenberge.com**

- Created and designed a personal website to showcase my skills & experience
- Implemented various jQuery libraries & plugins
- Hosted using AWS S3 and CloudFront