TIM VACA

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Personal Website: **jemiseo.github.io**

EDUCATION

University of Maryland   **College Park, MD**
B.S. in Computer Science   *August 2017 - December 2020 (expected)*

PROGRAMMING SKILLS

Languages and Technologies: Java, OCaml, C, Shell, JavaScript, Python, Swift, UNIX, Git, OS X, HTML5, CSS3, React.js

WORK EXPERIENCE

Gusto   **San Francisco, MD**
Incoming Software Engineering Intern   *June 2020 | August 2020*

- Growth team

CapWIN   **College Park, MD**
Software Developer   *March 2019 | Present*

- Perform routine backups and maintenance of data services, storage, and servers
- Facilitated a transition to a revamped update process, debugging problems that arose as a result
- Developed additional preference options that made the client easier to use and improved productivity
- Designed and implemented a 2FA system to comply with stricter security standards

PROJECTS

Yummyspot *Swift, Firebase*

- Created a localized version of the Korean restaurant recommendation app Mangoplate as part of an iOS class capstone project
- Utilized SwiftUI to quickly and easily create visually-pleasing user interfaces
- Leveraged Google Firebase in order to persist data as well as handle authentication for login and sign-up flow

FlavorDex *HTML/CSS/JS, Pug, MongoDB*   https://github.com/jemiseo/flavordex

- A Pokédex-esque collection of flavor texts from the Pokémon main series games (currently only includes Korean flavor texts)
- Run with Node.js as well as Express to leverage routing to different parts of the app, displaying different data based on the route
- Draws data from a MongoDB collection to easily render data on-screen through Pug view engine

korean-lookup *Java*   https://github.com/jemiseo/korean-lookup

- Features a search box that automatically converts Roman letters to Korean, without the need for knowledge of Korean keyboard layout
- Implements a web scraper that extracts definition and conjugation data from designated websites

RELEVANT COURSEWORK

UMD-CS   https://github.com/jemiseo/umd-cs *(private)*

- **CMSC132** Obj Ori Prog II - Basic data structures such as linked lists and HashMaps using Java
- **CMSC351** Algorithms - Mathematical analysis of elementary sorting and graph algorithms
- **CMSC389N** Intro to Web Development - Web-based applications using JavaScript, MongoDB, Node.js, React.js, and Express. Includes exercise on RESTful APIs (tested with Postman).
- **CMSC430** Compilers - Semester-long extending of a base compiler for Racket subset
- **CMSC436** Programming Handheld Systems - Course taught in Swift that covers general concepts in mobile developments (Model-View-Controller) to specific iOS frameworks.