Keith Ecker

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EDUCATION

University of Wisconsin – Madison, Madison, WI   May 2019
Bachelor of Science
Major: Computer Science
GPA: 3.3

University of Wisconsin – Fox Valley, Menasha, WI   May 2017
Associate of Arts & Science
Emphasis: Computer Sciences
GPA: 3.26

SKILLS/KNOWLEDGE

- Java
- Rest API
- HTML/CSS
- Swift
- C/C++
- LC3 assembly language

PROJECTS

Kaboogie
- An iOS application that creates a new experience for those that love to listen to music with others
- Allows users to join a shared queue session to add and vote on songs that will be played next.
- Built using swift along with Spotify's APIs and SDK.

BACulator
- An iOS application that estimates the blood alcohol content for the user
- Uses an algorithm from the Department of Transportation along with the users' weight and gender to estimate the BAC based on the amount of drinks consumed
- Tracks time between drinks to estimate BAC over time, and when BAC will reach zero

WORK EXPERIENCE

Software Development Intern, Flexagon, Green Bay, WI   May 2018-Present
- Perform coding and testing of product features for their DevOps automation software
- Created several Rest APIs used by customers
- Follow best practices for coding and documentation
- Created plugins to integrate third party software such as Apigee

Computer Science Research Assistant, UW-Fox Valley, Menasha, WI   January 2016- May 2017
- Worked within a group to identify and conduct research on problems within the software engineering industry
- Conducted research on the evolution of open source software such as Chromium and its security vulnerabilities
- Created presentations and presented our work at local and international conferences
- Work with others to create and edit scholarly papers to share our findings
- Published paper in IEEE Xplore on the prevalence of indirect function calls in middleware software systems.