**Keith Ecker**

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**www.KeithJohnEcker.com**

**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.

**Leadership/Organizational Experience**

*Software Development Club,* UW-Madison, Madison, WI 2017-Present