

WILLIAM BECK-ASKENAIZER

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Education

CSU Channel Islands, Camarillo, CA

Bachelor of Science in computer science

Projects

WQM – Spring 2019

- Mobile application based on the water quality models produced by Issam Najm, Ph.D.
- Written in Java, built using Android Studio
- Calculates CCPP and Acid-Base values for a sample of water based on present compounds and additives

Life – Spring 2019

- Game-jam style development, written in Java in the combined space of several hours
- Simple game where unique player choices in different stages of life create unforeseen opportunities

Addmeon – Spring 2018

- Mobile application designed to simplify the sharing of game service accounts
- Java based, using XML for layouts, JavaScript for web scraping, and Android Rooms for database
- Utilized OAuth APIs for multiple services, including Blizzard, Steam, and Xbox Live

ciLisp Compiler – Fall 2017

- A custom implementation of a universal compiler for s-expressions using Lisp
- Written in C, utilizing flex (lex) and bison (yacc) to generate scanner/parser for the ciLisp language

Languages & Frameworks

- Java, C, C#, Python, MySQL, NoSQL (mongoDB, Neo4j), XML, Python, JavaScript

Software Development Tools

- Proficient use of version control with Git using CLI or GUI
- Comfortable across most Operating Systems (macOS, Windows, Linux)
- Comfortable creating MySQL and NoSQL queries
- Proficient in Android Studio, VSCode, JetBrains IDEs, Atom, Sublime Text
- Comfortable working with ReactJS

Coursework

Automata, Operating Systems, Data Structures, Assembly Language, Computer Architecture, Software Engineering, Computer Game Development, Database Theory and Design, Artificial Intelligence, Human- Computer Interaction, Object Oriented Programming