

BENJAMIN JOHNSON

Software Engineer | 8152073233 | benpj53@gmail.com | www.linkedin.com/in/benjaminpjohnson/

EDUCATION

University of Southern California

Los Angeles, CA

Master of Science

January 2024-Present

- Major in Computer Science

Lawrence University

Appleton, WI

Bachelor of Arts & Bachelor of Music

September 2018-June 2023

- Majors in Computer Science and Piano Performance, Mathematics Minor

SKILLS

Languages: Java, C#, C++, C, Swift, Python, HTML, CSS, JavaScript, R, Scheme, PowerShell

Databases: MongoDB, MySQL, noSQL, PostgreSQL

Applications: GCP, AWS, Azure, Postman, Jira, Slack, GitHub, Visual Studio, Xcode

Techniques: Agile Methodologies, Scrum Sprints, Waterfall Methodologies, UI/UX Design

Leadership: USC Viterbi Graduate Student Association Senator, USC Honor Council

Co-Curricular: Founded and led weekly algorithm lecture study sessions for over 80 graduate and undergraduate students

EXPERIENCE

DELET

Los Angeles, CA

Mobile Software Engineer

May 2024-September 2024

- Lead team of 8 engineers to build and publish React Native mobile app on iOS and Android following Figma designs
- Leverage Artificial Intelligence and Machine Learning techniques to analyze customer data and predict user interest, leading to a 40% increase in profits over a course of 3 months
- Link mobile app to 3rd party devices using custom back-end calls to display live camera and audio feeds

Lawrence University

Appleton, WI

Software Engineer

January 2023-June 2023

- Constructed full-stack Swift iOS application in Xcode, displaying sheet music, music performance data, and note accuracy to musicians after performing selected music in a multi-view-controller, user-focused application
- Developed auditory processing algorithm with AudioKit & AVFoundation to handle spectrum analysis of 16-8000Hz
- Created music reading algorithm to process raw XML data instantaneously, decreasing processing time by 500%

Chamberlain Group

Oak Brook, IL

Front-End Programming Intern

June 2022-August 2022

- Authored code for iOS mobile application in Swift to reduce unnecessary application launch notifications by 80%
- Collaborated with a team of engineers to improve UI/UX and customer satisfaction by 25% with Test Driven Development (TDD)

Chamberlain Group

Oak Brook, IL

Middleware (Back-End) Programming Intern

June 2021-August 2021

- Learned company logic to implement new REST APIs and unit tests, meeting company standards in C# using VS Code
- Wrote validation API with JSON and Rabbit MQ to acquire phone status and roll out to over 1 million devices, deploying Git to track progress follow standards in Agile Methodology

Packaging Corporation of America

Lake Forest, IL

IT Intern

June 2019-December 2019

- Diagnosed and repaired hardware and software involving access control and security systems for 2 client locations
- Created command-line PowerShell script to organize data, implemented on thousands of company computers

PERSONAL PROJECTS

- Designed stock web application utilizing GCP, Node.js, Angular, Bootstrap, MongoDB, and REST APIs
- Built iOS financial managing application leveraging AWS, Node.js, SwiftUI, MongoDB, and Xcode
- Implemented AI reinforcement and temporal learning algorithms for robotic path calculation and simulated gameplay