

Robert Moseley

Programming Languages / Skills

Java • PHP • Python • Swift • C# • JavaScript • MySQL
Unity • Flask • MongoDB • Bootstrap • React Ionic • Ubuntu

Experience

Research Assistant, California Baptist University (2020)

- IoT technology and programs for the promotion of interest in STEM fields and careers (unpublished)
- Effectiveness of online MOB programming as an Agile Development method (unpublished)

Junior iOS Developer, The Learning Underground (2017)

- Developed an iOS game called Happy Cloud using Unity, C#, and Xcode that was downloaded 3300 times in one year

California Baptist University Swim & Dive Team Captain (2020)

- Led a team of 30 swimmers, working closely with my coaches and athletic support staff to ensure that the team improved communication, swam faster, and had a more focused mindset

Education

Bachelor of Science in Computer Science California Baptist University (May 2022)

- 4.0 GPA
- 4x President's List (2018-2020)

Awards

NCAA Division 1 Academic All District Honors (2020)

- Ranked as one of the top student-athletes in the United States and NCAA by maintaining a 4.0 GPA and achieving nationally ranked times as an NCAA Division-1 swimmer

USA Swimming Scholastic All-American (2018)

- Ranked as one of the top junior athletes in the United States by achieving a 4.0 GPA (unweighted) in high school and qualifying for the USA Swimming Junior National Championships

Western Athletic Conference All-Academic (2019-2020)

- Awarded for performing as one of the top athletes in the Western Athletic Conference and being one of the only athletes to maintain a 4.0 GPA

Volunteer Work

- Taught a group of 15 high school students how to build an automated plant watering system using **Arduino** and **Python** to teach them about IoT technology and programming
- Demonstrated a biomedical engineering project to over 1000 K-12 students at **STEP CON** to promote interest in STEM fields



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<https://github.com/Robbyswimmer>

Projects

Mindly – An App for Improving Mental Health

Tech: React Native, React Ionic, NodeJS, MongoDB

- Led development as the Product Manager on an app that allow users to track their mental health, message their therapists, and access critical resources for improving their mental health
- Implemented and developed a unique, 5-point scoring system and content for numerically assessing mental health based on recent research in psychology

Goal Keeper – A website for tracking your goals

Tech: PHP, MySQL, JavaScript, Bootstrap, CSS, HTML

- Designed and developed a website that allows users to track their goals, create new goals, view helpful goal statistics, and see all of the goals they have completed
- Implemented a JavaScript library for graphing a user's goals by tracking their goal data using PHP and MySQL
- Developed a system to dynamically generate user goals as interactive cards by using PHP, MySQL, and CSS

LAN Chess – Multiplayer, command line Chess

Tech: Java, Java.net

- Developed a local area network, multiplayer Chess game that is played on the command line by utilizing the Java.net package to write a Java server from scratch
- Designed and developed a system for encoding and translating the chess board from a string to an array of bytes to improve server performance by **10x**

Athletics

- USA Swimming National Championship Qualifier
- **6x** USA Swimming Junior National Championship Finalist
- Western Athletic Conference (WAC) Champion
- **3x** Central California Swimming Record Holder

Coding Competitions

- Google Kickstart 2020 Round B
- LeetCode Biweekly Competition 26