

Zeke Baker

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Background

Dartmouth College

- Hanover, NH
- Grad: June '20
- GPA: 3.86/4.0
- Bachelor of Arts
- Major in Comp. Sci. & Engineering

Relevant Coursework

- AR & VR Development
- Object-Oriented Programming
- Software Design & Implementation
- Algorithms
- Artificial Intelligence
- Android Programming
- Discrete Math in Comp. Sci.
- Computer Architecture
- Microprocessors in Applied Systems
- Digital Electronics

Languages

- C
- C#
- C++
- Python
- Java
- Markdown
- XML
- HTML
- Spanish (fluent)

Tools

- Unity
- Unreal
- Android Studio
- Bash
- MATLAB

Work Experience

Dartmouth Applied Learning and Innovation Lab

Software Developer, Jan '18 – Feb '19

- Worked on software projects (websites, apps, games) contracted by entrepreneurs. Projects were team-led and followed a week-long sprint system to reach an MVP in 10 weeks.

Project Experience

VR Chess (Nov '19)

- With a team, developed a [VR chess game](#) with basic AI and multiplayer capabilities. Made in Unity for the Oculus Quest.

VR Starcatcher (Nov '19)

- With a team, developed a [VR experience](#) to help identify the 12 Zodiac constellations. Made in Unity for the Oculus Quest.

Octopus Experiments (Aug '18)

- Application that animates a crab depending on varied user input for research on octopuses' psychology. Self-taught basic Unity to improve scale and quality of pre-existing application.

Rubik's Solver (Aug '17)

- Self-constructed Android app that generates list of moves to solve a Rubik's cube of any order from 2x2x2 to 20x20x20 based on user-entered 2D net. Implemented JXL Library to save and load solved cubes in an .xls file.

Citations of Academic Excellence

- From Prof. Sean Smith, Mar '20
- From Prof. James Mahoney, Nov '19
- From Prof. Raúl Bueno, May '19
- From Prof. Gevorg Grigoryan, Mar '18
- From Prof. Amro M. Farid, Nov '17
- From Sr. Lecturer Karolina Kawiaka, Nov '16

Fun Facts

- Is an unabashed gamer, with *Minecraft*, *Red Dead Redemption 2*, *Halo: Reach*, and *Call of Duty: Black Ops II* as a few favorites.
- Studied abroad in South America for 5 months collectively junior year of college.
- Loves to sing—contemporary, classical, show tunes—and was music director of his college a cappella group.
- Is a huge fan of twisty puzzles (the family of puzzles to which the Rubik's Cube belongs).