

Bogyung Kim

SOFTWARE ENGINEER

102 W A Fire Lane, 121 Wannamaker Dorm, Duke University | Durham, NC

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Education

Duke University

BS IN COMPUTER SCIENCE, MINOR IN PSYCHOLOGY

Durham, NC

Expected May 2021

- GPA: 3.981/4.0
- Relevant Coursework:
Data Structures and Algorithms, Unity 3D and Interface Design, Virtual Museums, Intro to Database Systems, Foundations of Data Science, Intro to Computer Science, Matrices and Vector Spaces, Discrete Mathematics, Multi variable Calculus

Hankuk Academy of Foreign Studies

DIPLOMA

Yongin, South Korea

Class of 2017

Skills

Programming, C++; Swift; Python; Java; C; SQL; Flutter; Git

3D/Graphic/Web, Unity; ARKit; SpriteKit; Blender; OpenGL; HTML; CSS

Work Experience

Duke OIT

SOFTWARE ENGINEER INTERN - FULL STACK (AR APPLICATION)

Durham, NC

May 2019 - Present

- Sponsored by Microsoft, created 3D models using Blender and developed AR points of interest using Azure Spatial Anchors and GPS, drastically increasing the engagement and interactivity of app users
- Built a native ios AR experience for Duke Gardens visitors in Swift and objective-c using ARKit and SpriteKit
- Beta testing with Duke Gardens, guaranteed to be launched in the App Store by the end of the year, and expecting to have 300k+ downloads

Runner's App

FULL STACK DEVELOPER

Durham, NC

Aug 2019-Present

- One of the two developers building the company's main mobile application in native ios with Swift and JSON
- Lead developer for making an algorithm that finds customized track for runners

Duke Computer Science Department

UNDERGRADUATE TEACHING ASSISTANT

Durham, NC

Aug 2018 - May 2019

- TAed for Programming and Problem Solving and Foundations of Data Science
- Hold office hours, created test cases, led discussion session of 10+ students and graded exams

Projects

Duke Wilson Recreation Center App - AR based

Durham, NC

VISITOR APP WITH AR EXPERIENCE

Aug 2019-Sep 2019

- Team leader of 4 students, designed and implemented a native ios application with Swift and objective-c that allows users to explore the recreation center using AR markers
- Accepted to be launched in the Apple App Store and expecting to have 100k+ downloads

Mini Games

C++ CONSOLE GAME

Durham, NC

May 2019-Aug 2019

- Built independent projects to learn C++
- Developed C++ console applications including maze game and Tetris

Reinterpreting Yikyak

MOBILE APPLICATION

Durham, NC

Sep 2019-Present

- Primary backend developer to make a location-based anonymous chat app for university students
- Planning to build with Flutter

Activities

Student Organizations, Devils Cross Reality; Duke Technology Scholars; Duke International House Orientation Peer;