

# Daniel Choi

## Computer Science

### Personal Information

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Github  
[github.com/choiboy98](https://github.com/choiboy98)

Website  
[choiboy98.github.io](https://choiboy98.github.io)

### Programming Languages (Proficient)

Java  
Python  
C++  
C  
JavaScript | HTML | CSS

### Programming Languages (Familiar)

C#  
Assembly

### Technologies

Android | Unity  
Git  
Flask  
React | React Native  
AWS

### Technical Skills

Computer Programming  
Data Structures  
Artificial Intelligence  
Virtual Reality  
Computer Security

## Education

08/2017-05/2020 **University of Illinois at Urbana-Champaign**  
*B.S. in Computer Science*  
• Coursework: Data Structures, Computer Architecture, System Programming, Artificial Intelligence, Algorithms, Computer Security

## Experience

01/2019-present **Synchrony**  
*Software Engineer Intern*  
• Developing a mobile app that makes transfer of credit cards/money easier  
• Designing and delivering the final application  
• Engineering a secure transition of user information across different platforms

05/2018-10/2018 **BAT (Beacon Adaptive Tracking)**  
*Software Engineer Intern*  
• Used React Native to create location tracking apps for the customers to use  
• Connected the app with Alexa and Google Home Mini that would engage in user assigned tasks based on their distance from Home  
• Worked with the founder on predicting the user's location using AI when the user's data is not being transferred

03/2018-05/2018 **Chicago Mercantile Exchange Group**  
*Software Engineer Intern*  
• Created tools to verify errors in DataMine quickly and efficiently  
• Provided data for real-time trading customers and those who want historical data  
• Learned to extract messages from avro files and FIX (Financial Information Exchange) messages

## Projects

06/2018-present **MedicalVR**  
*Software Developer/Founder*  
• Developing a VR/AR application that enables patients to see their damaged body parts through 3D modeling  
• Using this application, doctors will be able to display and explain which parts of the body is damaged and how to fix it thoroughly

10/2018-present **imusi**  
*Software Developer*  
• Created an application that lets users to take pictures and generates music based on the attributes of the picture  
• Trained an AI model to measure and distinguish which resource is more impactful (lighting, objects, people etc.)  
• Used React Native and React for frontend  
• Interacted with Spotify and Clarifai API

## Activities

09/2018-present **Hack4Impact**  
*Software Developer*  
• Creating free application for non-profit organizations around the world  
• Worked with React Native and MongoDB to create CTTC application (Cut to the Case)  
• Map application that scraps light, bus, businesses, crimes, police stations, and more data and displays them for users  
• Users can also call 911, SafeRides, and SafeWalk  
• Currently working with Kiva to increase their security when data is being transferred

09/2018-present **IlliniBoxing**  
*Team Member*  
• Competing at several national tournaments (Arnold's classic and USIBA Tournament)  
• Rigorous Training 3 times a week with 2-3 hours each  
• Learned perseverance and patience through fights and partner training  
• Learned to greatly value feedback and teamwork