

# Shoji Moto

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## Education

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- **University of Illinois at Urbana-Champaign** **Champaign, IL**  
○ *GPA: 3.89; B.S. Computer Science* *Expected: May 2021*

## Technical skills

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- **Programming Languages:** Python, Swift, Java, C#, HTML/CSS, JavaScript
- **Technologies:** Git, Xcode, Unity, Heroku, Flask, Leap Motion, Processing, Bootstrap, Postman

## Experience

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- **CS 125: Intro to Computer Science** **Champaign, IL**  
○ *Course Assistant* *January 2018–Present*
  - Helped students in the 2018 Spring CS125 EMP lab section, office hours, and forum
- **Duke Immersive Virtual Environment (DIVE)** **Durham, NC**  
○ *Software Engineering Intern* *July 2016–August 2016*
  - Integrated the Leap Motion sensor with a VR headset and CAVE-like system
  - Programmed in Unity using C# and the Leap Motion SDK
  - Led 12 tours of the DIVE to groups of students, teachers, and professors

## Projects

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- **Handy (Hackathon)** **Champaign, IL**  
○ *Developed a body language processor for public speaking using a Leap Motion sensor* *2017*
  - Received \$1,000 Grant from 1517 Fund (VC) to continue research and development
  - Prototype programmed in Python and Javascript, hosted on a Flask server
- **Endangered Planet (Personal)** **Chapel Hill, NC**  
○ *Created an iOS app which displays demographical data of 27,000+ threatened species* *2017*
  - Accumulated more than 100 installations since its release.
  - Programmed in Xcode using Swift 3
  - App Store link: <https://itunes.apple.com/us/app/endangered-planet/id1241582188>
- **SatActbot (Personal)** **Chapel Hill, NC**  
○ *Built a Reddit bot that converts between old SAT, new SAT, and ACT exam scores* *2016*
  - Referenced and used more than 800 times by the Reddit community
  - Programmed in Python using the PRAW API, deployed using Heroku

## Activities

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- **Hackathon enthusiast**
  - WildHacks 2017 (Finalist/Best Domain Name) - Built Handy, a body language processor for public speaking
  - HackGT IV - Experimented with displaying virtual furniture using ARKit for iOS 11
  - Boilermake V (Best Domain Name) - Wrote the backend Python script for a police data analysis app
  - HackBCA III - Built a parody Unity game based on the 2016 presidential race
- **IlliniHackers Experience Staff/Building Manager** **Champaign, IL**  
○ *Planned the structure of HackIllinois 2018 including logistics involving mentors and volunteers* *2017 – Present*
- **North Carolina Virtual Public Schools (NCVPS) Peer Tutor** **Chapel Hill, NC**  
○ *Tutored biweekly for AP Computer Science, AP CS Principles, & AP Calculus* *2016 – 2017*