

Shoji Moto

📞 919 259 6269 • ✉ smoto2@illinois.edu • 🌐 <https://pianobin.com/>
🔗 <https://github.com/Pianobin>

Education

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

Technical skills

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

Experience

- **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

- **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

- **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*