

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: 3.77; B.S. Computer Science Expected: May 2021

Technical skills

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

Experience

- **Synchrony Financial** **Champaign, IL**
◦ iOS Intern May 2018–Present
 - Overhauled the design of the CareCredit app, improving the user experience for 11 million cardholders
 - Created an account snapshot view accessible from the login screen of the MySynchrony app reducing time spent navigating to account information
 - Collaborated in an Agile-based team, completing user stories and attending daily standups in biweekly sprints
- **CS 125: Intro to Computer Science** **Champaign, IL**
◦ Course Assistant January 2018–May 2018
 - Explained key programming concepts to students in CS125 lab sections and the online discussion forum
 - Facilitated weekly office hours to help students debug and refactor Java code
- **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

- **OpenMusicVis (Class)** **Champaign, IL**
◦ Built a music visualizer which displays a real-time audio spectrum with particle effects 2018
 - Included keyboard shortcuts, genre presets, and a GUI to allow extensible user customization
 - Implemented in C++ with the OpenFrameworks library
- **Handy (Hackathon)** **Champaign, IL**
◦ Co-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 2000 installations since its release.
 - Programmed in Xcode using Swift

Leadership & Activities

- **ACM SIGMusic Chair** **Champaign, IL**
◦ Lead weekly project meetings for students interested in combining music and technology 2018 – Present
- **54 Startup Weekend Logistics Staff** **Champaign, IL**
◦ Created the 2018 event schedule and organized meals/weekend activities 2018 – Present
- **IlliniHackers Experience Staff/Building Manager** **Champaign, IL**
◦ Planned the structure of HackIllinois 2018 including registration, panels, and workshops 2017 – 2018