JOCELYN KAVANAGH

Contact
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Education
Georgia Institute of Technology
Atlanta, GA
MS in Music Technology | May 2023
- Advisor: Gil Weinberg
- Robotic Musicianship Lab

BS in Music Technology | May 2022
- Minor: Computer Science & Media
- GPA 3.95, Dean's List

Skills
- Project Management
- Adobe Suite
- Google Suite
- JIRA
- Confluence
- Software Development
- Artificial Intelligence (AI)
- Music Information Retrieval
- Rapid Prototyping
- Audio Software Programming
- Digital Signal Processing (DSP)
- SCRUM/AGILE Frameworks
- Python
- C++
- PowerShell
- HTML/CSS
- JavaScript
- Unity
- Analytics

Leadership and Recognition
- College of Design Diversity, Equity, and Inclusion Council
- Founding instructor music tech orientation course
- 3-time teaching assistant
- Provost's Academic Excellence Award
- Kim Scott Logan Award
- College of Design ADVANCE Women of Excellence Award

Experience

Marketing and Events Coordinator / Graduate Assistant
Formerly Marketing and Communications Assistant
Georgia Tech School of Music, Atlanta, GA | *Feb 2019 – May 2023*
- Manage day-to-day marketing operations to support School's recruitment and strategic goals
- Strategize and produce content for website, social media, e-blasts, and digital signage
- Promote over 60 events per year, including Guthman Competition
- Develop content with Adobe Illustrator, Premiere, and InDesign
- Organized the 2021 Guthman Musical Instrument Fair, an online fair event with international exhibitors and guests, ~300 virtual attendees

Georgia Tech Mascot Buzz, Captain, and Coordinator
Georgia Tech Athletic Association, Atlanta, GA | *Sept 2019 - Present*
- Captain 2021-2023, Teammate of the Year 2020-2021, MVP 2021-2022
- Supervise and schedule team practices and events. ~350 events on and off campus per year
- Recruit, select, and train new student-athlete team members
- Direct and create content for team's social media on Instagram and TikTok. Generated ~20% yearly follower growth @buzz_gt
- Raised $6,000 for National's competition fund through product development, sales, and relationship building

TechOps Intern
Carbon, Redwood City, CA | *June 2022 – August 2022*
- Developed automation script in PowerShell and SQL to manage user account info across Oracle, AWS Redshift, and Active Directory
- Implemented NAS solution for automated data transfer between 3 systems and CT scanner
- Updated internal documentation in Confluence related to Google Suite, PowerShell, and Okta

Projects

Turn-Taking for Robotic Musicians – Master's Thesis
Georgia Tech Center for Music Technology | *Sept 2022 – May 2023*
- Researching turn-taking musical improvisation between human and robotic musicians
- Developed musical genetic algorithm for jazz improvisation in Python and Max/MSP
- Developed probabilistic model in Python for turn-taking and improvisation for Shimon, a marimba-playing robot
- Programmed gestures for 6 degree of freedom robot in Python, Max/MSP, and C++
- Direct 6 undergraduate students and guide project work

Guitar Amp Plugin
Audio Software Engineering Course | *Jan 2022 – May 2022*
- Created a dynamic guitar amp plugin incorporating machine learning for presets and amp emulation
- Designed and implemented software architecture and GUI in C++ and JUCE

HeartBeats: A Music Dating App
Senior Capstone | *Aug 2021 – May 2022*
- Built a web app that matches users based on music taste collected from Spotify API
- Designed and implemented using Python Flask, HTML/CSS, launched with Heroku