

BRAD GUESMAN

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EDUCATION

Brown University

Providence, RI • Expected graduation May 2020

- Sc.B. Computational Physics | Cumulative GPA: 4.0/4.0
- Relevant coursework: Computer Systems, Machine Learning, Honors Linear Algebra, Abstract Algebra, Electrodynamics, Advanced Classical Mechanics

Los Altos High School

Los Altos, CA • Graduated June 2016

- Notable awards: Exemplary Mathematics Achievement, Director's Musicianship Award

SOFTWARE ENGINEERING EXPERIENCE

OurJamz Inc., Software Engineering Intern

San Jose, CA • June-August 2017

- **Designed cross-machine server-side audio engine for cloud based audio workstation in Golang.**
- Developed wrapper for interfacing with pre-compiled C++ audio plugins using the C-Go library.
- Utilized Atlassian development tools and build automation in AGILE development environment.

TEACHING AND LEADERSHIP EXPERIENCE

Brown CS Department, Teaching Assistant

Providence, RI • September 2017-Present

- Developed scripts to interface with Stanford's MOSS service to gauge similarity between student handins.
- Holds weekly hours and labs clarifying and communicating course material to students.
- Educates students on algorithms, analysis, and data structures in the Racket and OCaml languages.

Brown STEAM, STEAM Leader and Subgroup Founder

Providence, RI • February 2017-Present

- **Leads subgroup of Brown STEAM club (STEM + Art and Humanities) integrating multimedia and CS.**
- **Founded the soundSTEAM subgroup focused on cross-disciplinary work in audio production.**
- Organizes projects and workshops and holds weekly meetings.
- Unites students and faculty from a multitude of disciplines to collaborate on multimedia projects.

MUSIC & DESIGN EXPERIENCE

SNOWCRASH, Solo Artist

Los Altos, CA • January 2016-Present

- Produced, engineered, wrote and recorded two EPs, released on self-founded indie label.
- Actively maintains self-designed website, album cover, and brand.
- San Francisco winner of KFOG's "Next2Rock" competition for undiscovered talent.
- **100,000+ plays on Soundcloud, Spotify, and Apple Music.** www.snowcrashmusic.com

37th Parallel, Founder and Frontman

Los Altos, CA • October 2012-January 2016

- Led weekly rehearsals for dozens of live shows.
- Created brand utilized across multiple social media platforms.
- Performed at BFD festival alongside world famous acts Phantogram, Walk the Moon, and Foster the People.
- **Raised over \$12,000 via Kickstarter to fund debut album, Escape.** www.thirtyseventhparallel.com

SKILLS & INTERESTS

Programming Languages

Golang, Java, C/C++, Python, Scala, OCaml

Technologies

VST2/VST3, AU, WDL-OL, Git, MongoDB

Computer Programs

Logic Pro X, Premiere Pro, Photoshop

Interests

Music Production, Guitar, Sci-fi, Longboarding