

BRAD GUESMAN

799 Arroyo Rd., Los Altos, CA 94024 | 650.823.8861 | James_Guesman@Brown.edu

SUMMARY

I'm a computational physics concentrator at Brown University with coursework in Music & Multimedia. The best innovations lie at the intersection of creative thinking and analytical understanding—of art and science. My goal is to live and work at this crossroads.

EDUCATION

Brown University

Providence, RI • Expected graduation May 2020

- *Sc.B. Physics* | Cumulative GPA: 4.0/4.0
- *Relevant coursework:* Intro to Computer Systems, Honors Linear Algebra, Abstract Algebra, Electricity and Magnetism, Intro to Relativity and Quantum Mechanics

Los Altos High School

Los Altos, CA • Graduated June 2016

- *GPA:* 4.0/4.0, Weighted: 4.40/4.50
- *Notable awards:* Exemplary Mathematics Achievement, Director's Musicianship Award

SKILLS & INTERESTS

Programming Languages
Computer Programs
Interests

Golang, Java, C/C++, Python, Scala, OCaml
Logic Pro X, Premiere Pro, Photoshop
Music Production, Guitar, Sci-fi, Downhill Skiing, Longboarding

TECH 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 API for interfacing with pre-compiled C++ audio plugins using the C-Go library.
- Utilized Atlassian dev tools and build automation in AGILE development environment.

Brown CS Department, CS0170 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.
- Topics include algorithms, analysis, and data structures in the Racket and OCaml functional languages.

cyberSTEAM, STEAM Leader

Providence, RI • February 2017-Present

- **Leads subgroup of Brown STEAM club (STEM + Art and Humanities) integrating multimedia and CS.**
- 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 EP's, released on self-founded indie label.
- Arranged distribution through SoundCloud, Spotify, and Apple Music.
- Utilizes Logic Pro X and third party plugins for mixing and mastering.
- Actively maintains self-designed website, album cover, and brand.
- **100,000+ plays on Soundcloud, Spotify, and Apple Music.** <http://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.**
- <http://www.thirtyseventhparallel.com>