

# BRAD GUESMAN

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## 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. Computational 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

- *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, 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 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.

### Brown CS Department, TA for Intro CS Course (CS0170)

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.

### 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 sound+STEAM 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.
- Arranged distribution through SoundCloud, Spotify, and Apple Music.
- Actively maintains self-designed website, album cover, and brand.
- **100,000+ plays on Soundcloud, Spotify, and Apple Music.** [www.snowcrashmusic.com](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.** [www.thirtyseventhparallel.com](http://www.thirtyseventhparallel.com)