

Dan Gelok

Full-Stack Software Developer

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Technical Skills

Debugging, Python, JavaScript, HTML5, CSS, Bootstrap, JQuery, SQL, Sequelize, PostgreSQL, Git/Github, Flexbox, Node.js, Wix, EJS, Express, Gimp, Audacity, GarageBand, Sibelius, Finale, iMovie, DaVinci Resolve

Software Development Projects

GreenChips – [video demo](#) / [github](#) – July 2020

- Web-based stock market game, providing users the chance to play the stock market in real time with virtual currency. Players are given \$10,000 to invest, with gains and losses tracked over time. (team-developed; my role included project management, authentication, API calls, and database management)
- Regular API calls provide up-to-date stock pricing information, and authentication and database storage (via Firebase/Firestore) provide data persistency for portfolios. Data visualization designed using ChartJS, and UI provided by FontAwesome, ChartJS, and Bootstrap.

Fire Takes – [live demo](#) / [github](#) – August 2020

- Music website in which registered users provide feedback on albums. All albums hosted on Spotify are available to provide a 5-star rating and a text review, with user feedback accumulated on individual album pages and a user's own profile page. Additionally, music can be streamed from individual album pages. (team-developed; my role included project management, database management, authentication, and some UI/UX design)
- Spotify API utilized to populate album information and provide live streaming service, database and authentication support powered by ElephantSQL and bcrypt, and developed using Postman and Postico.

Zorklon5 – [video demo](#) / [github](#) – May 2020

- Text-based RPG, in which a player accumulates items, develops them to increase strength and health, and progresses to escape a hostile planet. Mechanics developed for health, inventory, fights, and tool advancement.
- Developed using Python 3.

Various Website Development Projects – June-August 2020

- Fan site for [jazz pianist Tigran Hamasyan](#)
- Online [single-player blackjack game](#)
- Professional website for music contest [Houston Underground Competition](#)

Professional Experience

University of Houston | Associate Instructional Professor | Houston, TX | 2009-2020

- Professor of Applied Saxophone. Transferrable skills include:

Instruction and mentorship – over 400 individual students taught, typically via one-on-one instruction

Project management – dozens of recordings, live productions, original works, and various independent projects

Leadership and delegation – director of world's largest independent amateur saxophone competition

Small-group management – internationally-recognized expert in chamber music (2-6 people) instruction

Public speaking and presentation – invited appearances in China, Singapore, Colombia, and over 15 US cities

Social media – Admin of [saxophone Instagram page](#), with 12.5k+ followers and millions of cumulative views

Education

DigitalCrafts Houston – Certificate in Full-Stack Development - 2020

University of Massachusetts-Amherst – M.M. (masters in music performance) - 2006

Indiana University – B.M.E. (bachelors in music education) cum laude – 2004