

Abhi Velaga

www.abhi.work github.com/avelaga linkedin.com/in/abhivelaga

abhinav.velaga@utexas.edu

972.854.8659

Seeking a challenging internship opportunity to utilize my software development, leadership, and creative skills to make a positive impact in the corporate world while broadening my experience that will prepare me for an exciting career in future.

EDUCATION

B.S in Computer Science, *University of Texas at Austin* (Expected Graduation – May 2021)

Coursework: Software Engineering, Data Structures, Network Security and Privacy, Operating Systems, Object Oriented Programming (Java), Computer Architecture, Discrete Math, Elements of Physical Computing, Creative Coding, Creative Problem Solving

Graduated from Allen High School, Allen, TX – May 2017

Part of the Gifted and Talented (Phoenix) program. Member of National Honor Society.

SKILLS

Technical: React.js, Angular, Django, SQL, Java, C, C++, AWS, Python, Docker, CI/CD, Azure DevOps, UX/UI, Linux, Git, HTML, CSS, SSL, Agile Methodologies, Typescript, Apache, CLI, REST API, X86, Bash, Arduino, Processing, Raspberry Pi

In Training: JavaScript, Mocha, Selenium, and Bootstrap

Business: Entrepreneurship, Team Management, Communications, Event Planning, Marketing, and Graphic Design

Other: Creative Coding, Music, Photography, and Audio & Video Production

EMPLOYMENT EXPERIENCE

Software Engineer Intern, *Visa, Austin, TX* (Summer 2020)

Software Engineer Intern, *Schlumberger, Houston, TX* (Summer 2019)

- Researched and implemented a solution for building applications or components into packages and dynamically embedding into a single platform.
- Created build/release pipeline for deploying packages to private registry.
- Designed and developed UIs to allow users to configure their UI in real-time.
- Technologies used: Angular, UX/UI, Node.js, Git, Azure DevOps, GCP, TypeScript, JavaScript, JSON, Docker, Agile Methodologies, and Postman

Creative Coder, Austin, TX (2019 – Present) - Designed, built, and programmed for commissioned LED art installations.

Photo Lab Monitor, University of Texas at Austin, Austin, TX (2019 – Present) – Trusted with 24/7 access to all facilities and responsible for lab emergencies, upkeep, security, and assisting students.

Photographer, Austin, TX (2017 – Present) – Planned and conducted creative photo shoots. Published in print in *Spark Magazine* (Student run fashion magazine at UT Austin) and featured on cover page.

Noon Mediterranean, Austin, TX (2017) - Took customer orders, prepared and served food, and operated cash register.

Moviehouse & Eatery, McKinney, TX (2017) – Worked as Runner preparing and serving food and assisting customers.

Guitar Lessons, 2014 – 2015 – Created a custom curriculum and taught guitar to students in grades 2-9.

Camp Invention June 2014 – Worked as a counselor and assisted teachers during the camp for students in grades 1–6.

PROJECTS

- [bandtogether.events](#) - A cross-platform, responsive, web application that scrapes public data sources to build an information portal using modern software engineering practices. Technologies used: React.js, Django, Python, PostgreSQL, AWS, Docker, REST API, CI/CD, JavaScript, Selenium, Mocha, and Postman
- Built a basic Operating System Kernel for a UNIX-like operating system.
- Implemented several data structures and algorithms – Huffman coding compression algorithm, Doubly Linked List, Binary Search Tree, Graph search algorithms (Dijkstra's, Breadth first, Depth first, etc.)
- Designed and programmed a Darwinism/evolution simulation with graphics, natural tree drawing algorithms, terrain generation, multiple games, and generative art algorithms
- Developed and showcased a virtual pet art installation involving object-oriented programming, Arduino, and LED strips to mimic natural animal behaviors and sensory response
- Wrote, setup, and hosted a website on both an Amazon Web Services (AWS) instance and a local Raspberry Pi

- Designed, built and programmed interactive LED light installations for [Fortress Fest](#) in Fort Worth, TX and *Acid Test* at Swan Dive in Austin, TX
- Developed and showcased an interactive game with Arduino, motors, and LEDs at [Maker Faire](#), Austin, TX

LEADERSHIP AND VOLUNTEER ACTIVITIES

Advisor, Allen ISD Career and Technical Education Advisory Board (2020 – Present)

President, Texas Photo Society, University of Texas at Austin (2018 – 2020) – Founded a student organization (~200 members and growing) to bring together people with similar interests, to encourage collaboration and to facilitate sharing of knowledge. Responsible for planning and managing photography events, running meetings, and making executive decisions.

Member, Mobile App Development, University of Texas at Austin (2019 – Present)

Radio DJ, KVRX 91.7 FM, University of Texas at Austin (2017 – 2018) - kvrx.org/show/bodyhigh/

Business - Set up and ran four small businesses (Music sales, guitar lessons, creative coder, and freelance photographer)

President and Social Media Manager, Allen Teen Arts Council (ATAC) (2015 – 2017) - Planned and managed events and social media campaigns, designed posters, organized and led the council meetings. Organized, promoted, and hosted a successful show, ATAC FEST, of local teenage bands in July 2016.

Allen Community Outreach, Allen, TX (2012 - 2017) - Assisted in organizing and distribution of donations.

Music Director, SecondGen 2015 (Student organization) - Managed the recordings and release of student compositions.

Texas Indo Physicians Society Charity Health Clinic, Irving, TX (2012 – 2014) - Managed front desk operations including creating and organizing patient charts.

Elected Public Relations officer of Robotics Club, Curtis Middle School, Allen, TX (2012)

Participated in Destination Imagination (DI) competition achieving 4th and 5th place in Regionals - 2010, 2011

MUSICAL ACCOMPLISHMENTS

- Performed at an official **South by Southwest (SXSW)** showcase with *Merry Jane & The Fondas* (schedule.sxsw.com/2019/artists/2008465) (March 2019).
- Released **two full length albums** ([abhi.work/no-drive](#) in 2018 and indulgent.bandcamp.com/album/toxic in 2015) on digital platforms such as iTunes, Amazon, and Spotify. Composed, performed guitar, drums, bass and vocals, released, and marketed music by myself under the name, *Indulgent*.
- Featured in the Eagle Angle, Allen High School's magazine, for musical accomplishments (theeagleangle.com/2714/features/indulge-on-toxic-music) (2015-2016).
- Performed guitar, drums, bass, and flute for international audiences at four India cultural conventions with up to **10,000 attendees** in Dallas, TX and Anaheim, CA; Guitarist for one commercial live concert for 500+ audience (2013-2016).
- Live concerts for charity Fund Raising – Drummer with *The Fractal* in Allen High School fundraiser (2015), Guitarist in Charity Concert to raise funds for Make-A-Wish Foundation (2014), Drummer in a band that included professional singers and a **renowned music director (Anup Rubens)** to raise funds for Hurricane relief (2014).
- Performed in the **halftime show at the NFL** game between the **Dallas Cowboys and St. Louis Rams** in 2013 as part of Allen Eagle Escadrille.

INTERESTS AND ACTIVITIES

Music - Electric Guitar, Drum Kit, Electric Bass, Vocals, Flute, Composition, Recording, and Production.

Film Photography: Professionally trained in scanning, editing, and printing both digitally and in the darkroom.

Conceptualized, shot, and printed a complete two photo series - *Miami Vice Cocaine Dream* and *User Void* - on 4x5 large and medium format film.

Video Editing - Recorded/edited cover videos for YouTube channel 2012 – Present; Directed/edited promotional videos for a charity show and music releases.

Audio Engineering- Self-taught with 11 years of experience; Recorded/mixed my debut album; Experienced with both digital and analog formats.

Marketing/Promotion - Experienced with marketing and promoting for the UT Organization, *Texas Photo Society*, my bands, *Indulgent* and *Cream Genie*, and for the *Allen Teen Arts Council* (ATAC) through social networks and flyers.

Graphics Design - Designed all album artwork and promotional materials for *Indulgent* and *Cream Genie*. Designed numerous posters for music shows and ATAC events Designed 2 issues of *Teen Trash Zine*.

Robot Building/Programming - Self-taught, built, and programmed Lego MindStorms NXT Kit while in elementary school.

Abhi Velaga