

# Levi Villarreal

villarreallevi@utexas.edu • (469) 289-7084 • github.com/leviv

## EDUCATION

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**University of Texas at Austin**, BS/MS in Computer Science, 3.96/4.0 GPA Class of 2022

- Coursework: Data Structures, Operating Systems, Algorithms and Complexity, Data Mining, Software Engineering, IT Design for Disabilities (grad), Information Retrieval (grad), 3D Haptics (grad)
- Activities: International exchange program (KTH: Stockholm, Sweden), Hispanic Association of Computer Scientists professional development officer, ACM, Origami Circle officer, Rock Climbing Team

## EXPERIENCE

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**Two Sigma Investments**, *Software Engineering Intern* May 2020 - August 2020

- Worked with the live trading environment team to automate compliance with SEC regulations
- Used React and Jersey to design and develop a full-stack web app used by portfolio managers

**University of Texas Computer Science**, *Teaching Assistant* August 2018 - December 2019

- Led student discussion sections, held office hours and graded programming assignments for CS314 and CS303e
- Worked with CS students and non-majors to strengthen understanding of computer science principles

**Google**, *Software Engineering Intern* May 2019 - August 2019

- Designed and implemented continuous end-to-end testing for the Firebase Performance JavaScript SDK
- Used Puppeteer and Google Cloud Functions for automated continuous testing
- Worked on the frontend team to rewrite the online console from AngularJS to Angular

**Center for Media Engagement**, *Technology Research Assistant* September 2017 - December 2019

- Worked with researchers to design, develop and implement 7 web-based research experiments
- Developed and launched a complete redesign of the Center's custom WordPress website

**Adobe**, *Software Engineering Intern* May 2018 - August 2018

- Worked on the QE team to develop automated end-to-end tests using a PHP Selenium webdriver
- Converted 36 Manual QA checks into automated functional tests to expedite regression testing

**Microsoft**, *Student Partner* August 2017 - May 2018

- Designed and co-hosted 8 experiments/workshops for UTCS students and CS outreach events
- Workshop topics included Azure Machine Learning, Microsoft Bot Framework, and Ethereum blockchain

## PROJECTS

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**Touchy Feely**, *Designer and Developer* April 2020 - May 2020

- Designed, developed and studied an emotion-centered haptic iOS messaging app

**Button Hero**, *Lead Developer* March 2020 - April 2020

- Developed, tested and evaluated a Bela based physical musical instrument designed for disabled children
- Later created a scalable web-based version of the physical instrument

**MoodyHacks**, *Lead Designer and Developer* April 2018 - June 2018

- Planned, designed and developed a website for the first ever UT School of Journalism hackathon

## AWARDS AND HONORS

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Lockheed Martin Management Association Scholarship June 2020

University of Texas Unrestricted Endowed Presidential Award Scholarship May 2020

Robinhood Puzzle Hunt 1st Prize August 2019

Hispanic Association of Computer Scientists Member of the Year December 2018

Waxahachie Education Foundation Scholarship June 2017

## SKILLS

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<b>Software</b>	Java, C, HTML, SASS/CSS, PHP, JavaScript/TypeScript, SQL, Python, C++
<b>Technologies</b>	Git, Angular, React, Node.js, Firebase, WordPress, Selenium, x86 Architecture