

# Henry Laird Stewart

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## EDUCATION

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### Georgia Institute of Technology

BS in Computer Engineering, GPA: 4.0

Atlanta, GA

Aug 2021 – May 2023

### Emory University

BS in Applied Math and Statistics, Minor in Economics, GPA: 3.9

Atlanta, GA

Aug 2018 – May 2023

### Kent Denver

High School Diploma

Denver, CO

Aug 2014 – May 2018

## WORK EXPERIENCE

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### ZenVR

4th Employee

Seed-stage startup building a platform to teach meditation in VR; began as HCI master's research at Georgia Tech

- Introduced the team to the lean startup methodology, designed experiments to test "leap of faith" assumptions
- Lead retail investor outreach prior to the seed fundraising round and developed a user research sourcing pipeline

Atlanta, GA

Jun 2022 – Sep 2022

### Schlage

Product Management Intern

- Conceived and designed a Power BI dashboard tracking metrics of 600k smart locks to inform product strategy
- Conducted an investigation into low "auto-lock" feature usage; led user research and improved feature design
- Deprioritized WearOS app based on market research and user data, repositioning 12+ weeks of engineering labor

(Remote) Carmel, IN

May 2022 – Aug 2022

### Equifax

Data Science Intern

- Overhauled a segmentation product of 130M U.S. households worth \$1.4M 2020 revenue with machine learning
- Automated the 3-month annual update of this product with R, embedded SQL, and random forest classification
- Collaborated with PM to shape decisions about the user guidebook, strategy, engineering, and product roadmap

Atlanta, GA

May 2021 – Aug 2021

### Wells Fargo

Wealth and Investment Management Intern

- Built 10+ discounted cash flow valuation models for public U.S. companies using SEC data and personal research
- Self-taught fundamental accounting, finance, and Excel skills to conduct this research and to build financial models
- Contacted 30 clients to update their asset and liability data, streamlining future touchpoints with their advisor

(Remote) St. Louis, MO

Jul 2020 – Aug 2020

### Semple Brown Architecture

Architecture and Planning Intern

- Learned Sketchup and designed a hallway cubby storage system installed in Kent Denver School's remodeling
- Consulted for the teams working on CU Boulder's and Kent Denver's renovations from the perspective of a student
- Modeled a new art studio at CU Colorado Springs to optimize workspace, accessibility, storage, and expandability

Denver, CO

Mar 2018 – Apr 2018

## **EXTRACURRICULARS**

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### **Contextual Computing Group (CCG)**

*Undergraduate Researcher*

**Georgia Tech**

Aug 2022 – Present

*CCG develops wearable and ubiquitous computing technology, studying accessibility and human-computer interaction*

- Replaced hard-coded settings with dynamic user input in our head-worn display simulator to streamline research
- Conducted a pilot study (n=12) to identify optimal caption width for real-time captioning on head-worn displays
- Oversaw our study's statistical analysis in Python and worked with a multidisciplinary team to draft a manuscript

### **Alpha Kappa Psi Business Fraternity**

*Alpha Chi*

**Emory University**

Sep 2019 – May 2021

- Programmed a nine-week orientation to teach personal and professional development to 20 new members
- Prepared lesson plan and course resources on presentation and public speaking skills for future orientations
- Raised \$650+ during a 48-hour fundraising challenge for the Dekalb Animal Shelter with a team of four brothers

### **Undergraduate Mathematics Research**

*"SIR Model of Time-Dependent Drug and Vaccine Distribution on COVID-19"*

**Emory University**

Apr 2020 – Apr 2021

- Led four multidisciplinary undergraduate students to place first in an Emory COVID-19 modeling competition
- Defined a system of differential equations and modeled them in Python to simulate drug and vaccine deployment
- Directed technical communication between team and journal editors during revision of the 21-page manuscript

### **ERASE Child Trafficking**

*Data Science Consulting Competition*

**Atlanta, GA**

Feb 2021 – Mar 2021

- Placed first in a month-long data science competition hosted by Emory to help grow ERASE's Facebook outreach
- Built linear regression and random forest models on 2500+ posts in Python to explore features driving engagement
- Presented a 10-minute summary to ERASE on how to increase their engagement using 6 data-driven suggestions

### **Office for Undergraduate Education**

*Linear Algebra Tutor*

**Emory University**

Jan 2019 – May 2020

- Tutored 10+ Emory undergraduates through 50-minute 1-on-1 sessions in linear algebra and introductory logic
- Assessed each student's history and positioning to tailor the lesson, help set goals, and build a semester-long plan
- Obtained a Level 2 tutor certification from the College Reading and Learning Association Tutor Training Program

## **LEADERSHIP AND COMMUNITY SERVICE**

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### **Metro Caring - Hunger Relief Program**

*Warehouse Assistant, Shopping Helper*

**Denver, CO**

Apr 2016 – Aug 2019

- Supported Metro Caring team in accepting, processing, sorting, and dispensing 10,000 pounds of daily donations
- Used Spanish language skills to help participants shop in the foodbank and address family nutrition needs
- Operated as a touchpoint between the market and warehouse, ensuring fast communication and stocked shelves

### **Coalition for the Upper South Platte (CUSP)**

*Eagle Scout Project, Volunteer*

**Denver, CO**

Oct 2015 – Aug 2017

- Designed, planned, and led a project with a team of 25 volunteers on a day excursion totaling 275 service hours
- Constructed 30 wooden structures and sowed grass seed to stop further soil erosion in the Hayman burn area
- Volunteered beyond my Eagle Project through outings building A-frame fences, reforestation, and flood mitigation

## **PUBLICATIONS**

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M. Johnston, H. Stewart, J. Sun, and D. Zhang, "SIR Model of Time Dependent Drug and Vaccine Distribution on COVID-19," *SIAM Undergraduate Research Online*, vol. 14, May 2021. doi: 10.1137/20S1369841. [Online]. Available <https://www.siam.org/publications/siuro/volume-14>

## **ADDITIONAL INFORMATION**

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### **Honors and Awards**

- Tau Beta Pi: Engineering Honor Society
- Omicron Delta Epsilon: Economics Honor Society
- Eagle Scout
- Emory Dean's List: Fall 2020, Spring 2021
- Georgia Tech Dean's List: Fall 2021, Spring 2022, Fall 2022

### **Activities and Hobbies**

- Emory Club Basketball and Tennis
- Mountaineering: summited 12 14,000 ft peaks, one 17,000ft
- Blitz Chess
- Hiking, Backpacking: Rocky Mountains, Appalachians
- Guitar, Bass Guitar
- Indoor Rock Climbing