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Jack Hester

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Education

Emory University; Atlanta, GA

Fall 2015-Present

Bachelor of Arts, Interdisciplinary Studies: Emphasis in upstream healthcare and behavioral modeling
Expected graduation Spring 2019

Work Experience

Full Stack Developer, Workwinz; Atlanta, GA and Reno, NV

May 2018-Present

- Programming a website and backend for an employee incentivization startup. Designed a front-end website using HTML, CSS, PHP, and JavaScript, and back-end user and rewards databases and login protocols using MySQL, AWS hosting, and Google APIs.

Research Intern, Emory University, Institute for Liberal Arts; Atlanta, GA

March 2017-July 2017

- Designed and programmed prototype website for “Philosophy in Science” – Website allows readers to navigate between examples and stories to enhance understanding of philosophical principles.

Intern, Creative Content Department, The Abbi Agency; Reno, NV

June 2016-August 2016

- Authored press releases, responses to requests for proposals, events descriptions, and similar materials for customers ranging from city governments to mortgage companies, as well as for internal agency use.

Software Engineering Intern, Marketing Evolution; Reno, NV

June 2015-July 2015

- Created mock-ups of an Apple Watch app storyboard, describing the app flow and the desired user interaction. Programmed the front end of a Swift application for the Apple Watch and iPhone – The app parsed server data and created a simple interface to provide users with important information (e.g. ROI) at a glance.

Volunteer and Shadowing Experience

Ski Instructor, Sky Tavern Junior Ski Program; Reno, NV

December 2012-January 2016

- Certified ski instructor at largest not-for-profit community ski program in US. Learned to ski in adaptive ski school and subsequently volunteered over 250 hours teaching both able-bodied and adaptive skiers.

Intern, Shriners Hospital; Sacramento, CA

May 2015

- Assisted with fixing and building prostheses in the Pediatric Orthotic and Prosthetic Lab, shadowed prosthetists during patient visits, and shadowed an orthopedic doctor in the
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Ambulatory Clinic. I was previously a patient there and was able to work behind the scenes in departments where I had received care.

Job Shadowing, Renown Hospital; Reno, NV

June 2014

- Shadowed in the Pathology Department including: collected samples in the operating room, observation of samples that were collected, viewed multiple slides and was able to see several types of tumors, growths and diseases that were present in the samples.

Presentations

A New Standard for Discovering Side Effects: Using linguistic analysis algorithms to predict prescription drug side effects from online forum posts, Emory University Undergraduate Research Symposium, Atlanta, GA: April 25, 2018.

Mining Adverse Drug Side Effects from Online Forum Posts, ILA Undergraduate Research Symposium, Atlanta, GA: April 20, 2018.

A. Stutz, B. Greenfield, **J. Hester**, J. Sarrett, K. Dreffs, R. Kolb. *Perspectives on the Inclusion and Success of Students with "Disabilities" in Colleges at Universities*, Emory Inclusion Summit, Atlanta, GA: April 19, 2018.

Mobility at a Standstill: Improving flawed transportation and accessibility in the US, Critical Juncture, Atlanta, GA: March 18, 2017.

Fellowships

TRAIN Fellowship, Emory University; Atlanta, GA

Fall 2017-Spring 2018

- Translational Research and Innovation Network (TRAIN) project includes designing and developing open source code for a drone model using Arduinos software and producing model parts using a 3-D printer.

Franklin Fellows, Emory University; Atlanta, GA

Fall 2017-Present

- Through a series of group events, such as film discussion groups and talks by and discussion with visiting scholars, the fellowship focuses on extending and expanding a liberal arts education during the undergraduate college years. Its goals include improving critical thinking, close reading, and clear, cogent writing.

Clubs

Undergraduate Disability Studies Initiative

Fall 2015-Present

Reformed University Fellowship (RUF)

Fall 2015-Present

Emory Rocketry Club

Fall 2016-Spring 2017

Professional Memberships and Certifications

American Planning Association

American Public Health Association

Certification, Institutional Review Board—Basic Human Subjects Protection: Social/Behavioral Focus

Certification, Professional Ski Instructor of America (PSIA) Level 1 instructor with child specialist certification

Technical Skills

Data Visualization: Gephi, Stanford CoreNLP, Sentiment Analysis, Word Clouds, nGrams, KWIC tables, QGIS; including coursework in data visualization, marketing, and advertising.

Programming: R/R Markdown, Java, HTML/CSS, Python, Swift; and SPSS; including coursework in Java and algorithm design.

Languages: English, Spanish
