Corey Emery

Software Engineer | UX Researcher

631-456-3020
cemery@andrew.cmu.edu
coreyemery.com
linkedin.com/in/corey-emery

PROJECT & WORK EXPERIENCE

Tech Lead & UX Researcher
Highmark, Carnegie Mellon MHCI Capstone
Jan 2020 - Aug 2020 | Pittsburgh, PA

Designed an app to improve member financial health literacy by developing intrinsic motivation to get preventive tests, increasing transparency into cost, and encouraging greater engagement with care and insurance.

Core Development Software Engineering Intern
Jump Trading
Jun 2019 - Aug 2019 | Chicago, IL

Collaborated with intern class to build a trading platform, focusing on a gateway that manages client orders and exchange connections. Improved market data recovery logic for a major futures exchange.

Front-End Web Contractor
Wicklets
Sep 2018 - Jun 2019 | Pittsburgh, PA

Built website for the Wick Editor, an online tool to help elementary and middle school students create games and animations. Used React framework and created custom components to fit company's brand.

Full-Stack Software Engineering Intern
Wayfair
May 2018 - Aug 2018 | Boston, MA

Developed a news feed of user-created rooms using GraphQL, React, and Redux for Room Planner to analyze and improve the tool. Co-created first Community Coding Day for 6th-8th graders to outreach to underrepresented community.

Research Assistant
Carnegie Mellon Department of Statistics and Data Science
Jan 2017 - May 2020 | Pittsburgh, PA

Explored ways to enhance tennis analysis and player development strategies using spatiotemporal data. Investigated Irish Census data using webscraping and graphical data visualization with the goal of augmenting record linkage models.

Teaching Assistant
CMU Courses: 36-202, 15-112, 36-226, 36-225, 05-430/630, 05-431/631
Jan 2017 - Present | Pittsburgh, PA

Led labs, recitations, review sessions, and office hours for classes of 60 to 200+ students. Mentored students in Python term projects, data analysis in R and Minitab, and web design and programming.

PROJECT ARTIFACTS

Highmark - MHCI Capstone
the-a-team-mhci.webflow.io

The Wick Editor
wickeditor.com

Senior Honors Research
coreyemery.com/files/ce_thesis_talk.mp4

Wayfair Room Planner Feed
coreyemery.com/files/ce_wayfair_demo.gif

EDUCATION

Carnegie Mellon University
Master of Human-Computer Interaction
Jan 2020 - Dec 2020

B.S. in Statistics & Machine Learning
Add'l Major in Human-Computer Interaction
Aug 2016 - May 2020 | GPA: 4.00

Phi Beta Kappa
Andrew Carnegie Scholar
University & College Honors
Quantitative Social Science Scholar

LEADERSHIP

Head Ambassador
Carnegie Mellon Mudge House
Aug 2019 - May 2020

Defined and executed vision for group of 9 upperclass students who served as live-in mentors for first-year students.

Resident Assistant
Carnegie Mellon Residential Education
Aug 2017 - May 2019

Aided in emergency situations and executed programming for 340+ first-year and upperclass students.

Greek Sing Chair
Delta Tau Delta - Delta Beta Chapter
Aug 2018 - Mar 2020

Led production and rehearsal of a 15-minute musical in annual competition/fundraiser. Oversaw service and philanthropy efforts.

SKILLS & TOOLS

Programming
Python	R	C++	SQL	GraphQL
HTML	CSS	JS	React	Redux

Design
Rapid Prototyping	Persuasive Design
Sketch	Figma	InVision

UX Research
Affinity Diagramming	Contextual Inquiry
Directed Storytelling	Experience Prototyping
Heuristic Evaluation	Journey Mapping
Stakeholder Mapping	Storyboarding
Think-Aloud Protocol	Usability Testing