

Healy Dwyer

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Education

Carnegie Mellon University

Masters in Human-Computer Interaction

Research areas: transportation technology & human-robot interaction

Pittsburgh, PA

August 2022

Florida State University

Bachelor of Science, *Cum Laude*, in Information Technology

GPA: 3.704 / 4.00

Tallahassee, FL

May 2017

Experience

Research Assistant, Carnegie Mellon University – Pittsburgh, PA

August 2021– August 2022

- Conduct observations and interviews to study effects and interactions of delivery robots with local residents
- Build smartwatch application for people using wheelchairs to utilize while commuting via public transit and allow reporting of sidewalk obstacles

Software Engineer, CSX Transportation – Jacksonville, FL

July 2017– August 2021

- Conduct user research at CSX railyards around the Southeast to design and develop applications
- Build applications utilizing tools including TypeScript, Angular, HTML, CSS, Amazon Web Services, and Java
- Lead training sessions and workshops on User Experience, PWAs, and Mobile Application Development

Information Technology Intern, Allscripts - Chicago, IL

Jun 2016- Jun 2017

- Design custom survey reporting graphics in order to assist sales and demo teams
- Develop and deploy custom workflows in Salesforce.com in order to allow management to quickly visualize data

Web Development Intern, Unhoused Humanity - Tallahassee, FL

Aug 2015 - May 2016

- Led UX research and development for local startup working to aide those experiencing homelessness
- Implemented secure, automated payment system with integrated data collection

University Ambassador, Florida State University - Tallahassee, FL

Jan 2015- May 2017

- Presented a two-hour informational script while leading campus tours for prospective students & families
- Selected as a Tour Trainer to mentor, evaluate, and assist new hires

Awards, Publications, & Involvement

- **Adobe Women in Technology Scholarship**, 2021
- **App Developer – Bike Lane Uprising** Mobile App, Oct 2020 - Aug 2021
- **Founder of Bike Duval**, local bike advocacy & group riding organization aiming to make Jacksonville more equitable for all people and forms of transportation, Jan 2019- Aug 2021
- **Chair – Jacksonville Bicycle and Pedestrian Advisory Committee**, dedicated to advancing bicycle and pedestrian infrastructure throughout Jacksonville working alongside city planners, engineers, and local representatives, July 2019 - Aug 2021
- **Best Use of Trailhassee API**, Trailhacks 2017
- **Best Use of Design Thinking – Hack FSU** 2017
- Featured on **Newman Podcast – Episode 9: Bike Duval**, 2019
- **Organizer – Angular Jax Meetup**: host monthly meetups to talk about all things Angular, JavaScript, and technology in Jacksonville and beyond, 2018-2020