

Isabel Laurenceau

isalau@ufl.edu | 305-972-6009 | www.isalau.me
9972 SW 154th CT, Miami FL 33196

Education

Ph.D. Computer Science

Degree Expected: 2022

University of Florida
Advisor: Dr. Juan E. Gilbert
Gainesville, FL

M.S. Computer Engineering

Degree Earned: 2019

University of Florida
Gainesville, FL

B.S. Computer Engineering

Degree Earned: 2017

University of Florida
Minors: Dance, Mathematics
Gainesville, FL

Research Interests

Wearable Technology, Affective Computing, Mobile Development, Human Centered Computing, Human Computer Interaction, User Experience and Design

Internship Experience

Brennan Center for Justice at NYU School of Law

May 2020 - July 2020

Media Democracy Fund Fellow
Washington D.C (Remote)

Wrote a report on privacy and surveillance on Internet of Things devices; Researched government powers over global network infrastructure; Participated in discussions on technology policy such as the use of A.I in government agencies

Leadership Conference on Civil and Human Right

May 2019- July 2019

Media Democracy Fund Fellow
Washington, D.C

Created products for digital literacy
Aided with "Get Out the Count" efforts for 2020 Census
Explained and demonstrated US Census Bureau's Open Source DAS code to stakeholders

Public Knowledge

May 2018- July 2018

Media Democracy Fund Fellow

Washington, D.C

Participated in policy trainings and meetings

Performed research for staff on current issues

Wrote blog posts and write ups for staff on technology policy

State Farm

May 2016- July 2016

iOS Mobile Developer Intern

Atlanta, Georgia

Created beta versions of mobile applications

Attended and participated in daily SCRUM meetings

Competed in a Speech Program where I was chosen as one of the top 16 out of 100+ interns

Southern Wine and Spirits

May 2013- July 2013

Full Time PC Support Intern

Miramar, Florida

Provided employee support with Hardware and Software for PCs, iPhones and Printers

Publications

Wyrosdick, B., Laurenceau, I. Gilbert, J.E. (2020). An Application for Absentee Voter Verification, In Proceedings of The 14th International Multi-Conference on Society, Cybernetics and Informatics, Virtual Conference, pp. 121-125.

Jackson, F., Laurenceau, I. & Gilbert, J.E. (2019). Inclusive Wearable Design: Developing a Set of Characteristics of Socially Acceptable BCI Devices for Women. In Roscoe, R.D., Chiou, E.K. & Wooldridge, A.R. (Eds.), Advancing Diversity, Inclusion, and Social Justice Through Human Systems Engineering, CRC Press, pp. 171-190.

Williams, A., Posadas, B., Prioleau, D., Laurenceau, I., & Gilbert, J. E. (2019). User perceptions of haptic fidgets on mobile devices for attention and task performance. In *Advances in Intelligent Systems and Computing* (Vol. 776, pp.15-22). Springer Verlag. https://doi.org/10.1007/978-3-319-94622-1_2

Technical Skills

Languages: C++, Swift, Python, Java, Elixir, HTML, CSS, JavaScript, PHP, SQL, C, VHDL

UI/UX Skills: Interviews, Focus Groups, Affinity Diagramming, Wireframing, Balsamiq, InVision

Development Tools: XCode, Android Studio, Agile Methods, Git, Mean Stack, Bootstrap

Interesting Classes

Graduate Classes: Fundamentals of Machine Learning, Advanced Data Structures, Human Computer Interactions, Research Methods For Human Centered Computing, Public Policy Analysis, Statistical Methods for Research, Computer Networks, Analysis of Algorithms, Computer Architecture Principles, Distributed Operating Systems Principles, Natural User Interactions

Undergraduate Classes: iOS Development with Swift, Intro To Computer Organization, Circuits 1, Digital Logic, Intro to Number Theory, Intro to Numerical Analysis, Information & Databases Systems, Microprocessor Applications, User Experience and Design, Intro to Signals & Systems, Digital Design, Computer Aided Graphics & Design

Research Projects

Virtual Traffic Stop 2016-

Advisor: Dr. Juan Gilbert

Human Experience Research Lab, University of Florida

About: Comprised of a mobile and web application virtual traffic stop aims to keep both civilians and officers safer during routine traffic stops. A provisional patent has been filed.

Duties: Worked with a web developer to create a platform where civilians and officers could communicate safely. Created iOS and Android mobile applications for civilians use.

Voiceing 2016

Advisor: Dr. Juan Gilbert

Human Experience Research Lab, University of Florida

About: An iOS mobile application aimed at reducing distracted driving.

Duties: Worked with a fellow iOS developer to improve safety while driving. Prior to development, performed User Experience research. Connected the app to a remote server through a backend using PHP and SQL.

Employment

Academic Technology Labs, University of Florida

2014-2017

Supervisor at Academic Technology

Managing all labs; Creating employee schedules; Running events between departments; Website upkeep.

Mobile App Development Lab Consultant

Help users get started making apps or troubleshoot already developed apps.

Technology Consultant

Customer Support with Hardware and Software for PCs, Macs and Printers

Leadership

Community Service Chair: Tau Beta Pi	Fall 2019 - Spring 2020
--------------------------------------	-------------------------

Graduate Coordinator: National Society of Black Engineers	Spring 2019 - Spring 2020
---	---------------------------

Treasurer: Black Graduate Student Organization	Fall 2019 - Spring 2019
--	-------------------------

Community Service Chair: Floridance	Fall 2015 - Spring 2016
-------------------------------------	-------------------------

Awards & Honors

Fellowship: Ph.D.X, Media Democracy Fund	2018-2020
---	-----------

Fellowship: Florida Board of Education, University of Florida	2017
--	------

Fellowship: National Science Foundation, Graduate Research Fellowship Program	2017
--	------

Honors: Cum Laude, University of Florida	2017
---	------

Professional Memberships

Tau Beta Pi	Association for Computing Machinery
National Society of Black Engineers	Human Factors and Ergonomics Society
Alpha Phi Omega	IEEE Computer Society