Edwood Brice

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EDUCATION

University of Massachusetts Amherst · Amherst, MA · May 2019
- B.S. in **Informatics** · **GPA** 3.57
- Pre-medical track studies, Commonwealth Honors College (CHC) member, multidisciplinary honors coursework, Dean's List scholar
- CHC Research Assistant Fellow · January 2017 – Present

TECHNICAL SKILLS

- **Proficient**: SQL, R, Python, Java, HTML, CSS, and command-line environments.

RELEVANT COURSEWORK

- Data-Driven Storytelling
- Practice & Application of Data Management
- Human-Computer Interaction
- Internet Law & Policy
- Statistics, Modeling, & Visualization
- Web Programming
- Wearable Technologies in Physical Activity & Health
- Social Issues in Computing

PROJECTS

(*more projects and details at www.edwoodbrice.com/projects*)

UMass CHC Honors Thesis: VR Exergaming vs. Traditional Physical Activity · (R, Python, health sensors, & virtual reality technology)
- Study that analyzes step count and step intensity differences between virtual reality exergaming and traditional physical activity

Side Hustles · (Django web framework, Python, & HTML/CSS)
- Web application that matches undergraduate "buyers" and "sellers" to exchange services e.g. haircuts, and products e.g. textbooks

QuickBin · (UX/UI design, human-centered design, Swift, & Xcode)
- Mobile iOS app that maps receptacles (recycling, composting, and trash) and provides directions to them to enable proper waste disposal

CAMPUS & COMMUNITY ENGAGEMENT

College of Information and Computer Sciences Informatics Peer Advisor · Amherst, MA · April 2018 – Present
- Produces academic resources to support undergraduate informatics major peers
- Conveys experiences pertinent to informatics curriculum to aid peers with course selection, answer questions, and assuage concerns
- Shares relevant opportunities available at UMass Amherst and beyond to enable peers to take advantage of them
- Conducts tabling events to inform and answer questions from prospective students, educators, parents, and other stakeholders

Senior STEM Ambassador in the STEM Ambassador Program (STEMAP) · Amherst, MA · December 2015 – Present
- Provides STEM peers with support to ensure their academic progress and future goals are on track
- Promotes STEM outreach through tabling sessions that recruit high school students considering majors in STEM
- Fosters peer networks by participating in workshops and community building activities focused on professional development and meaningful STEM involvement
- Presents faculty-sponsored research to engage students and make them aware of research opportunities available to them on campus

Information Technology Student Advisory Committee · Amherst, MA · August 2018 – Present
- Collaborates with IT administrators and student peers to discuss and help bring attention to network oriented issues on campus
- Proposes ideas for IT campaigns that positively impact and engage all members of the UMass Amherst community

WORK & RESEARCH EXPERIENCE

University of Massachusetts Amherst · Amherst, MA · June 2017 – May 2018

Undergraduate Ambassador and UX Designer for Expanding Computing Education Pathways (ECEP) Alliance
- Formulated archival schedule of legacy internal ECEP website used by alliance collaborators throughout the United States
- Designed and implemented framework for new internal ECEP website that maximizes functionality and content accessibility via GSuite

University of Massachusetts Amherst · Amherst, MA · June 2016 – May 2018

Undergraduate Evolutionary Genomics Researcher in Dr. Courtney Babbitt's Lab
- Conducted high-throughput computing analysis on hippocampus genes of deceased ring-tailed lemur (*Lemur catta*)
- Carried out gene ontology and enrichment analysis on human and primate (*Pan troglodyte*) genes
- Assembled gene transcripts into novel transcriptomes via de novo RNA-seq assembly
- Aligned transcriptomes to the human genome to investigate novel transcripts and isoforms using bioinformatics software