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Bailey Siber

My Mission: Use technology to empower people and make higher quality of life more accessible

EDUCATION

Tufts University

B.S. Community Health, Clinical Psychology, Computer Science
GPA: 3.81 | Honors: Summa Cum Laude, Psi Chi Society

Medford, MA

Graduated May 2018

Horizons School of Technology

Fullstack Software Engineering Fellowship

San Francisco, CA

Graduated August 2018

WORK EXPERIENCE

Collective Health, Operations Associate

- Spearhead strategies to optimize efficiency & scalability, build internal tools to improve processes
- Build internal tools to improve workflows: slackbot to schedule meetings, emails automatically triggered by gsheets inputs, etc
- Track accuracy & timeliness around core metrics & troubleshoot operational challenges
- **Software:** Excel, Javascript, Python, SQL

San Francisco, CA

Oct 2018 - Present

Ergbot, Web Designer & Front-End Engineer

- Design and develop website for automatic erg logger that records erg data from photo upload
- Integrate RESTful APIs for computer vision capability and employ Google API for secure logins
- Deploy express server on Heroku and mlab to store and access user information and events
- Launched mobile application on App Store and launched website
- **Software:** CSS, HTML, Javascript, React, React Native

San Francisco, CA

Sept 2018 - Present

Head Smart, Full Stack Engineer

- Design and develop mobile-based mental health tool that allows users to journal, track their moods, and receive suggestions and exercises to improve their wellbeing
- Develop RESTful APIs to provide appropriate suggestions to users depending on their mood and react to user feedback on suggestion effectiveness
- Deploy express server on Heroku and mlab to store and access user information and events
- **Software:** CSS, HTML, Javascript, React Native

San Francisco, CA

July 2018 - Present

Freelance, Web Designer & Front-End Engineer

- Consult with clients to outline website goals, illustrate wireframes, & discuss site functionality
- Develop user-friendly architecture by programming site navigation, social media links, & organizing site content into logical catalogs & flows.
- **Software:** CSS, HTML, Javascript, React

San Francisco, CA

2017 - Present

Massachusetts General Hospital, Disparities Research Unit, Research Assistant

- Conducted qualitative & quantitative research with participants in marginalized communities
- Developed worksheets, surveys, & questionnaires administered to participants
- Contributed to literature reviews, systematic reviews, manuscripts, & presentations
- **Software:** Python, R, REDCap, Stata, Tableau

Boston, MA

2017 - 2018

Harvard University, Intergroup Relations Lab, Research Assistant

- Recruited & ran study protocol with 100+ participants
- Contributed to literature reviews & presentations
- **Software:** Excel, SPSS, Stata

Cambridge, MA

2017 - 2018

Tufts University, Office for Equal Opportunity, Intern**Medford, MA**

2016-2017

- Compiled resources for marginalized sexual assault survivors (undocumented, ESL, disabled, POC)
- Contributed to presentations & pamphlets given to 1000+ undergraduate students per year

Nairobi Women's Hospital, Gender Violence Recovery Center, Research Assistant**Nairobi, Kenya**

2016 - 2017

- Administered sexual violence climate surveys to 200+ community members
- Conducted FGDs, key informant interviews, & in-depth interviews with 40+ stakeholders
- Completed literature review & wrote report with findings/recommendations
- **Presentations:** United Nations Women Gender-Based Violence Conference, School for International Training Conference, Tufts University Beyond the Classroom, Tufts University Research Symposium
- **Software:** Excel, Python, Stata

McLean Hospital, Gunderson Residence, Community Residence Counselor**Cambridge, MA**

2015-2017

- Utilized Dialectical Behavioral Therapy for treatment of Borderline Personality Disorder patients
- Led/co-led group-based therapy sessions & individual check-ins with patients
- Collaborated with clinical care team to construct tailored treatment plans
- **Software:** Epic, REDCap

LEADERSHIP POSITIONS

Every Voice Coalition, Steering Committee Member

2018 - 2019

- Co-lead grassroots organization focused on political advocacy & community building around sexual violence prevention
- Plan, organize, & spearhead all grant-based, peer-to-peer, & philanthropic fundraising efforts
- Manage budgets, financial resources, & expenses for all Every Voice initiatives

Tufts University, Action for Sexual Assault Prevention, President

2014 - 2018

- Developed survivor disclosures, perpetrator accountability, & community culture workshops; hosted for 30+ groups
- Hosted annual event It Happens Here, attended by 1000+ students per year

Tufts University, Presidential Steering Committee on Sexual Violence, Student Representative

2016 - 2018

- Advocated for student needs while collaborating with administration to propose University policy changes

Tufts University, Computer Science Department, Teaching Assistant

2016 - 2017

- Led lab sessions, graded homework/exams, & hosted office hours for Introduction to C++ course

Samaritans & Call2Talk, Volunteer

2013 - 2018

- Answered phone calls from individuals with intent, plans, or means for suicide
- Assessed caller risk levels, de-escalated crises, suggested short term solutions & offered relevant resources to callers

SKILLS

Programming Languages: Javascript, C++, HTML5, CSS3, Stata, SPSS, SQL, Python, R**Software/Tooling:** React, React Native, Node.js, Express.js, Passport.js, AJAX, jQuery, MongoDB, Git, Heroku, Webpack**Languages:** Limited working proficiency in Spanish, Arabic, Swahili, American Sign Language**Certifications:** CITI for Human Research Subjects & Behavioral Research, Rape Crisis Counseling, Suicide Prevention Counseling**Interests:** Metalsmithing, hiking, volunteering & exploring!