BRITNI OLINA CHAU

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Education

Stanford University - Undergrad
September 2015 - Present
Graduation: June 2019 | Major: Computer Science | GPA: 3.65

Research/Projects

The Trevor Project LGBTQ+ Suicide Prevention and Crisis Intervention (Current) - Using machine learning to create modular Risk Assessment Bot that monitors chat forums for messages about suicide and abuse (python).

HabitLab Research Assistant (Current) - Assisting in data analysis and visualization of crowdsourced data on the effectiveness of different online browsing interventions. Assisting in the development of chrome-plugin online interventions (js/html/css).

Extra Curricular/Leadership

Stanford University LGBTQ+ Community Resources Center
Flourish Mentor (Sep 2016 - May 2017) Planned and executed weekly programs to support the mental health and wellness of Stanford's queer community. Took initiative to kindle external community engagement with Stanford cultural centers and utilize off-campus resource activities. Lead LGBTQ+ events for Stanford 2016 Admit weekend and New Student Orientation and organized one-on-one student mentoring sessions.

Stanford Khmer Association
Social Chair (2016-17)
Managed planning of internal and external social/community outreach events. Assisted in coordinating Stanford CREW (Cambodian Rising Education Workshop) - a high school outreach program for Khmer Youth.

Volunteer Service

(150+ Hours) Breaking Down the Walls (Leader), Middle School Field Hockey Coaching, Beach Cleanups, AJ's Haunted House, Anstine Nature Preserve, HOPE Relay for Life, PAWS for Pets, Play for Pink Breast Cancer Field Hockey Tournament, Alta Vista Gardens Festivals, Moonlight Amphitheater, Student Poll Worker

Coursework - Stanford University

Have Completed:
CS106a - Programming Methodology
CS106b - Programming Abstractions
CS107 - Computer Organization and Systems
MATH51 - Linear Algebra & Differential Calculus of Several Variables
ECON1 - Principles of Economics
CHEM31A/B - Chemical Principles
CHEM33 - Structure and Reactivity
Year 2017-18 Coursework:
CS109 - Introduction to Probability for Computer Scientists
CS103 - Mathematical Foundations of Computing
CS110 - Principles of Computer Systems
CS161 - Design and Analysis of Algorithms
CS227b - General Game Playing

Skills

Java, C, C++, Python, Microsoft Office, Event Planning, Management, Customer Service, Content Editing, French (Proficiency at the 1-year university level)

Work Experience

Genentech Pharma Technical Operations | Data Management
June 2017 - Sep 2017
Took initiative to automate the execution and documentation of integrated data mapping and verification process to support product technical transfers. Supported SAP Master Data data deployment activities to support Oceanside site Make/Assess/Release processes. Developed and implemented manufacturing bill of material system for future drug substance executions. Skills developed: Python, Excel.

Extraordinary Chambers in the Courts of Cambodia
July 2016 - Sep 2016 | Phnom Penh, Cambodia
Trial Monitor and Content Editor - Worked on international team assisting an international tribunal in real-time transcription of court proceedings, legal analysis and tracking, management of social outreach, and reporting on court events for court archives. Sought to foster community engagement by working with Stanford's WSD HANDA Center for Human Rights and International Justice to conduct research for community awareness projects. Developed understanding of war trauma psychology through editing the second edition of 'Cambodia's Hidden Scars, Trauma Psychology and the Extraordinary Chambers in the Courts of Cambodia', which is to be submitted as evidence in the ECCC trials.

Sontek - A Xylem Brand, Research and Development
June 2014 - August 2014
Assisted mechanical and field-testing engineers in Research and Development department in assorted projects. Main project included designing, machining, and building a non-ferrous, triple-axes calibration device using CAD 3D modeling software.