

Education

Interaction Design | Masters Certificate

Copenhagen Institute of Interaction Design (CIID) | Copenhagen, Denmark | 2015

Geology | Bachelors of Science

UC Davis, California | 2008

Work Experience

UX Consultant | Freelance | 2016 - present | San Francisco, CA

Accelerating business and product goals with qualitative and quantitative user research, interactive prototypes, and good design:

- Board Member providing UX leadership at startups and universities | 2018 to present
- UX Designer for FireScore wildfire risk management platform | 2019 | Jupiter Intelligence
- Lead UX Researcher for mission logging tool with complex user ecosystem | 2018 | NASA Ames Resources Prospector Mission

DiabetesWise Project Director | Stanford University | Feb 2019 - Apr 2021

Led in-house UX efforts across DiabetesWise: brand, content, UX design, and study coordination of 500+ participant 6-month remote clinical trial. Managed backend analytics for both public website and research clone of public website. Co-designed study site analytics infrastructure. Managed external design and engineering contractor relationships. Led in-house user research: focus groups, website traffic analytics, interviews. Led recent phases of website design and development for public-facing live site and clone site. Co-produced 6-week COVID-19 specific live webinar series.

UX Program Lead | Plause | Feb 2018 - Nov 2018 | San Jose, CA

Implemented international R&D program to guide product strategy and build research database: card sorting, interviews, focus groups, usability testing. Led cross-functional collaboration of UX design efforts, and managed remote lab team at Rice University.

UX Designer | Turbine Labs | Jun 2016 - Aug 2017 | San Francisco, CA

Crafted organizational design function from scratch as first in-house designer of 10-person engineering startup. Collaborated cross-functionally on design and development of complex software release management dashboard. Delivered user research program, cultivated org-wide design thinking and initiated brand strategy.

HR Program Manager | Nest | Dec 2011 - Oct 2013 | Palo Alto, CA

Developed HR operations program from benefits admin to culture assimilation, employee on-boarding and off-boarding. Owned company wide HR communications, event planning, internship program and acquisition administration.

Work Experience (continued)

Geologist | Various Companies | 2008 - 2011

Taber Consultants | Jan 2008 - Oct 2011 | West Sacramento, CA

Designed and delivered internal training program for Trimble GPS equipment, managed software modeling for subsurface contamination assessment, led education outreach as Association of Environmental and Engineering Geologists (AEG) Regional K-12 Outreach Officer.

AMEC Geomatrix | 2009 - 2010 | Rancho Cordova, CA

Prepared technical reports, compiled and analyzed field data for use in assessing remediation development, and managed all office work involving: TerraSync (Trimble), Office Pathfinder (Trimble), LogPlot 2007, Surfer 8, and Grapher. Developed new Trimble GPS data collection program for a complex mining project and produced instructional document for client deliverable and company wide use of the Trimble GPS technology.

Research Assistant | Various Labs | 2006 - 2008

Professor James Rustad - Research Lab | UC Davis | 2006 - 2008 | Davis, CA

Assisted with collection and reduction of molecular dynamic modeling data and synthesized interpretations of experimental results. Co-authored scientific research papers and assisted in publication process.

Research Assistant | Professor Eric Cowgill - Research Lab | UC Davis | 2006 - 2007 | Davis, CA

Generated GIS profiles in ArcGIS and ArchHydro, performed sample preparation for ^{14}C (radiocarbon) dating specimens from Tibetan Plateau, transcribed laboratory data into organized spreadsheets, and executed mechanical separation of high priority lab samples.

Teaching Experience

Senior Design Thinking Coach | University of Lagos, Nigeria | 2017

Delivered design thinking workshop to 250 university professors & students as part of 9-person multi-national senior coaching team. Coached winning team, of 22 teams, through 6-day immersive workshop curriculum for design thinking methodologies.

Beacon Tutor | American River College | Jan 2006 - May 2006

Tutored college physics students and led study sessions for groups of 2-6 students as teaching assistant, nominated by Professor Shih-Wen Young, for award-winning peer-group tutoring Beacon Program at American River College.

Community Leadership

Board Member | Earth and Planetary Sciences Alumni Advisory Board | UC Davis | 2019 - present

Classroom Volunteer | Lincoln Elementary School | Oakland, CA | 2017 - 2020

World Water Corps Volunteer Scientist | Water for People | Malawi, Africa | 2011

Activities Coordinator | UC Davis Geology Club | Davis, CA | 2008

Team Captain | American River College Womens - Cross Country | Sacramento, CA | 2004

Patents & Publications

Devices and Methods for Protecting Unattended Children in the Home.

S. Nelmes, S. Le Guen, M. Veron, I. Guenette, & D. Sloo. | U.S. Patent 10649421

Dynamic Distributed-Sensor Thermostat Network for Forecasting External Events.

J.B. Filson, E.B. Daniels, A. Mittleman, S.L. Nelmes, and Y. Matsuoka. | U.S. Patent 9286781

Dynamic Distributed-Sensor Network for Crowd-Sourced Event Detection.

J.B. Filson, E.B. Daniels, A. Mittleman, S.L. Nelmes, and Y. Matsuoka. | U.S. Patent 10433032

James R. Rustad, Sierra L. Nelmes, Virgil E. Jackson, and David A. Dixon, "*Quantum-Chemical Calculations of Carbon-Isotope Fractionation in CO₂(g), Aqueous Carbonate Species, and Carbonate Minerals*", J. Phys. Chem. A 2008, 112, 3, 542–555

Public Speaking

DiabetesWise: Making Sense of Diabetes Devices & Technology

JDRF TypeOneNation Virtual Summit | March 9, 2016

DiabetesMine Innovation Summit

DiabetesMine Innovation Summit | UCSF Mission Bay Conference Center | November 9, 2019

Coding Life: A Story of Textures

Coding for Designers | Course DES 037 | Professor Jiayi Young

UC Davis | Davis, CA | March 9, 2016

Green Science Dreams: Sacramento to Malawi and back

Physics/ Astronomy/Engineering Talk Series | Professor Shih-Wen Young

ARC | Sacramento, CA | March 14, 2012

Environmental Consulting: Life as an Entry-level Geologist

Environmental Geology Course | Professor James Rustad

UC Davis | Davis, CA | March 15, 2010

Recognition

2017 Tech & Learning ISTE Best in Show Award | Project: littleBits Code Kit

2016 IxDA Awards Shortlist | Project: CPH Meetups

Scholar Athlete Award | 4x Recipient 2003 - 2007 | American River College (ARC) | Sacramento, CA

Licenses

200-hour Registered Yoga Teacher

USPA A-License