Peter Cottrell

Email: petercottrell91@gmail.com Website: users.soe.ucsc.edu/~pcottrel
Phone: (925) 548-2313 Location: San Francisco or Remote

Recent Ph.D. graduate, dissertation in prototype hardware/software and User Experience Design Research in Assistive Technology. Seeking UX Researcher, UX Generalist or UX Engineer role.

Education

June 2021 Doctor of Philosophy in **Computational Media**
University of California, Santa Cruz
Dissertation: "Supporting Self-Regulation with Deformable Controllers"
Advisors: Katherine Isbister and Sri Kurniawan

June 2013 Bachelor of Science Degree in **Bioengineering**, focus in **Rehabilitation**
University of California, Santa Cruz
Thesis: "UI Design and Video Magnification Analysis for the LASSIE Robot"
Advisors: Sri Kurniawan and Mircea Teodorescu

Work Experience

July 2021 | *COSMOS Teacher Fellow at* UCSC Educational Partnership Center
Led high school students through programming summer camp aimed at teaching early analogue and digital prototyping of game design.

Jan 2015-June 2021 | *Teaching Assistant at* UCSC
Helped teach college courses including Human-Computer Interaction, Universal Access Design, Computer Game Design and a variety of computer programming classes (Java, C, C++, Verilog, Assembly, Python, Processing).

March-July 2020 | *Product Research Contractor at* Companion
Developed and depolyed beta user testing methodology, PRD documentation and consumer on-boarding materials, product management and showcasing to investors.

July-Aug 2014 | *Teaching Assistant at* Digital Media Academy
Led middle and high school students through programming summer camp aimed at teaching basics of game design and programming.

March-June 2014 | *Research Intern at* Toyota-InfoTechnology Center
Developed user requirements for medical robotic devices through expert interviews and meta-analysis of academic articles.

Sept 2010-June 2012 | *Residential Advisor at* Merrill College, UCSC
Built a strong college community by living in the residential halls and providing activities, education and advising to resident students.

Patents and Publications

Google Scholar Profile: bit.ly/3mQj3ys

2021 | *Design not Lost in Translation: A Case Study of an Intimate-Space Socially Assistive Robot for Emotion Regulation*
K. Isbister, et. al.
In Press with *ToCHI Journal*

2019 | *Gait Analysis Medical Assistance Robot*
E. Martinson, P. Cottrell
US Patent 10383552

2019 | *Translating Affective Touch into Text*
D. Shapiro, Z. Zhan, P. Cottrell, K. Isbister
ACM published Conference proceedings of *CHI 2019*

2018 | *Designing Socio-Technical Interventions in Families to Prevent Mental Health Disorders*
P. Slovák, et. al.
ACM published Conference proceedings of *CSCW 2018*

2018 | *Soft-bodied Fidget Toys: A Materials Exploration*
P. Cottrell, A. Grow, K. Isbister
ACM published Conference proceedings of *TEI 2018*

2016 | *Personalized Intelligent Prosthesis for Tremor Suppression*
P. Cottrell, S. Kurniawan, M. Teodorescu
SIGACCESS 2016

2014 | *Design Guidelines of Tools for Facilitating Blind People to Independently Format Their Documents*
L.M. Morales, S.M. Arteaga, P. Cottrell, S. Kurniawan
In *Computers Helping People with Special Needs* (pp. 634-641).

2013 | *Assistive Living Robot: Remotely Controlled Robot for Older Persons Living Alone*
S. Hening, P. Cottrell, M. Teoderescu, S. Kurniawan, P. Mantey
ACM published Conference proceedings of *PETRA 2013*

Awards and Grants

2019 National Institutes of Health R21 Grant:
"Can fidgeting lead to enhanced attention and emotional regulation in adult ADHD?"
2015 Awarded graduate fellowship from Chancellor's Internship Program
2013 1st place in "IT for Society" division of Big Ideas@Berkley competition
2013 Received Dean and Chancellor's Awards for Outstanding Undergraduate Research