

Education

Carnegie Mellon University, Master's in Human-Computer Interaction, August 2011 (GPA 4.05/4.0)

University of California, Santa Cruz, Bachelor of Arts in Psychology, March 2008

Graduated with Honors (GPA 3.85/4.0)

PSI CHI member: National Psychology Honors Society

The American University of Paris; Paris, France, Fall 2006

Exchange program

Concentration on French language and psychology

Work Experience

Co-founder & Lead User Experience Designer, Open Source Robotics Foundation; Mountain View, CA (July 2012 – Present)

- Research, iteratively design, and test new features for Gazebo, a robot simulator, while applying user-centered design principles
- Create interface mock-ups and work closely with engineers during implementation
- Conduct research and usability testing sessions to ensure designs meet users' needs and are user-friendly
- Provide visual design support for all aspects of the company
- Organize and execute company outreach events

Interaction Designer, Intuit; Small Business Group; Menlo Park, CA (December 2011 – June 2012)

- Designed user sign-up process for new e-commerce tool
- Conducted user research with small business owners to determine their e-commerce needs

Human-Robot Interaction (HRI) Research Assistant, Carnegie Mellon University, Advisor: Jodi Forlizzi; Pittsburgh, PA (May 2011 – June 2011)

- Designed and conducted a study for an interface that controls multiple robots at a time
- Performed and analyzed Contextual Inquiries; developed scenarios and personas

Technical Writer and Human-Robot Interaction (HRI) Research Assistant, Willow Garage; Menlo Park, CA (August 2008 – July 2010)

- Researched, designed and conducted studies on robot user expectations and concerns
- Wrote and edited company publications and tutorials
- Maintained and wrote for the company website and blog

Publications

Paepcke, S. & Takayama, L. (2010). Judging a bot by its cover: An experiment on expectation setting for personal robots. *Proceedings of Human-Robot Interaction Conference: HRI 2010*, Osaka, JP, 45-52. [20% acceptance rate]

C. Agüero, N. Koenig, I. Chen, H. Boyer, S. Peters, J. Hsu, B. Gerkey, S. Paepcke, J. Rivero, J. Manzo, E. Krotkov and G. Pratt, 'Inside the Virtual Robotics Challenge: Simulating Real-Time Robotic Disaster Response', *IEEE Transactions on Automation Science and Engineering*, vol. 12, no. 2, pp. 494-506, 2015.

Additional Information

Languages

English: Fluent (American nationality)

German: Fluent (German nationality)

French: Conversational proficiency

Interests

Interaction design, robotics, HMI design, health education, women in tech mentoring, dance, backpacking

Tools

Adobe Xd

Adobe InDesign

Adobe Illustrator

Adobe Photoshop

HTML/CSS (limited)

Methods

User-Centered design

Wireframing

Storyboarding

Prototyping

Contextual Inquiry

Heuristic Evaluation

Think-aloud usability testing