

EDUCATION

August 2021 May 2023	University of California, Berkeley School of Education MA in Education – Learning Sciences and Human Development Embodied Design Research Laboratory, Advisor: Dor Abrahamson Graduate Certificate in New Media from the Berkeley Center for New Media
January – June 2016	KTH Royal Institute of Technology Stockholm, Sweden International Exchange Program, Machine Learning specialization
September 2012 June 2016	California Polytechnic State University San Luis Obispo, California BS in Computer Science, <i>Magna cum laude</i>

WORK EXPERIENCE

October 2020 Current	Fullsend Solutions Senior Fullstack Software Developer <i>Full-service software consulting firm</i> — Lead architect and engineer for multiple consumer web apps in the 3D, mobile, Web3, and generative AI spaces — Creative ownership of 3D and generative art direction and web implementation, integrating ThreeJS, React-Three-Fiber, MediaPipe, OpenCV, Hydra.xyz.js, and P5.js for rich, performant audio-reactive interactivity — Executed launch of highly public NFT drop in collaboration with Black Mirror that sold over 100,000 mints within 24 hours — Led engineering of green-field mobile social network app, taking product to over 10,000 DAUs across 20 colleges within four months of kick-off — Empathetic cross-functional consulting with client stakeholders to rapidly inform and implement product direction, significantly advancing project timelines by delivering major product releases ahead of schedule — Technologies used: Typescript, React, React Native, Next.js, Nest.js, D3.js, Three.js, React-Three-Fiber, Firebase, AWS, Lambda, Cloudfront, CircleCI, Linear, Jira
February 2023 Current	AIMS Education Foundation Research Fellow <i>Non-profit supporting playful, creative, socially-informed approaches to STEM teaching and learning</i> — Pioneering the design and implementation of educational installations focusing on STEM learning for intergenerational audiences in community spaces — Utilizing design-based research in multimodal learning strategies to create installations that promoted social-emotional learning and cooperative play
October 2019 October 2023	San Francisco Dharma Collective Web Administrator <i>Student-run, decentralized and independent meditation center located in San Francisco</i> — Overhauled web presence, doubling web traffic and increasing search engine rankings by 40% — Automated 90% of event management processes with Google Events API, enhancing efficiency and streamlining community outreach — Integrated SEO practices and headless content management system to modernize and optimize online engagement, using React, Gatsby.js, and Contentful CMS. — Enabled 80% increase on donation intake via integration with Paypal and Stripe API.
August 2022 February 2023	UC Berkeley Graduate Student Reader, DATA144: Data Mining and Analytics — Provided personalized mentoring, feedback, and evaluation to data science students, improving their comprehension and application of data mining techniques.
October 2020 June 2023	Arise High School & River School Creative Coding Instructor — Created and implemented a beginner coding curriculum using P5.js and Scratch, focused on psychosocial awareness and embodied pedagogy. — Fostered a supportive and creative learning environment, encouraging student engagement and innovation in coding projects.
September 2016 March 2018	VMWare Tanzu Labs (formerly Pivotal Labs) Fullstack Software Developer <i>Agile software development consulting firm</i>

- Anchor and lead developer in Agile XP web consulting in a variety of technologies:
Frontend: Javascript ES6/ESNext, React, Redux, HTML5, CSS3, SASS
Backend: Node.js, Express, Python 2/3, Flask, Ruby on Rails, Java Spring
Tooling: Jasmine, Enzyme, Rspec, Capybara, Git, npm, yarn, Webpack, Babel
Infrastructure/DevOps: Pivotal CloudFoundry, Microsoft Azure
 - Led the refactoring and modernization of an internal IAM application using React, establishing best practices and improving code quality.
 - Fully test-driven and pair-programming development in a highly client-facing Agile XP environment, leading daily standups and weekly retrospectives
- June 2014 **Cormant Inc.** Fullstack Software Developer
June 2015 *Data Center and Campus Infrastructure Management*
- Responsible for developing a real-time monitoring and alerting system for data center components distributed around the world

VOLUNTEER

- October 2023 **Hospice By the Bay**
Current — Hospice care volunteer providing one-on-one comfort, support and compassionate presence for patients in hospice and their network of caregivers
- November 2018 **Conscious Impact**
May 2019 — Yoga, breathwork, and meditation instructor for international volunteer community

TRAININGS

- 7-month Social Meditation Facilitator's Training I and II with Vincent Horn
- 10-week Responsive Dharma Training with Vincent Horn
- Cultivating Emotional Balance intensive with Eve Ekman
- Micro-phenomenology Interview and Analysis Training with Claire Petitmengin
- 5-month Mahayana and Vajrayana Living Dharma work-study at Tara Mandala Retreat Center, CO
- 200 Hour Yoga Teacher's Training with Shiva Yoga Sadhana Kendra Ashram in Kathmandu, Nepal

RESEARCH INTERESTS

I am interested in contemplative learning and interactive story-telling at scale in the digital age, and how to support students in multimodal, embodied participation through novel educational and technical approaches using tangible new media. Research areas include: social-emotional learning, contemplative learning, embodied cognition, enactivism, new media, (micro-)phenomenology, dynamical systems, digital learning environments, VR, AR, multimodal learning analytics, adaptive systems, knowledge tracing, neurodiversity, sensory engagement.

PUBLICATIONS

- Pleaner, E. (2023, June). How are you feeling?: Towards an embodied contemplative pedagogy for mathematics learning. [Master's Thesis], Graduate Division of University of California, Berkeley, School of Education.
- Pleaner, E. (2022, April 8). Conversations with Clay: Experiencing Acceleration Through Tactile Modeling [Poster Abstract]. 2022 Graduate School of Education Research Day, Berkeley, CA, United States. <https://tinyurl.com/eli-research-day>
- Engström, F., & Pleaner, E. (2016). Learning Methods for Improving News Retrieval Systems (Dissertation). Retrieved from <http://urn.kb.se/resolve?urn=urn:nbn:se:kth:diva-187492>