

# Timothy Peine

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## Education

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### Bachelor of Science in Information Systems

Expected – 05/2026 | San Diego, CA

San Diego State University

- *Relevant Coursework: Python, R, SQL, Calculus, Statistics, JavaScript, Systems Analysis & Design, Database Management Systems, Networking Technologies, Cybersecurity Management*

## Academic Honors

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- GRE Score: 340/340 (170 Verbal, 170 Quantitative), AWA 5/6
- Summa Cum Laude, San Diego State University

## Research Interests

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Human–AI interaction and cognitive regulation, Organizational AI adoption and implementation, Responsible and ethical AI system design, AI governance and accountability in professional settings, Augmented cognition and extended mind theory

## Publications

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**Peine, T.** & Abhari, K. (2026). How AI Companion Changes Your Mind: Toward a Theory of Augmented Cognitive Extension [☑](#). *Accepted, International Conference on Human-Computer Interaction (HCI)*.

Abhari, K. & **Peine, T.** (2026). How Generative AI Changes the Way We Think: The Case for Augmented Cognitive Extension [☑](#). *Under review, European Conference on Information Systems (ECIS)*.

## Research Experience

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### Research Assistant

08/2025 – Present | San Diego, CA

Digital Innovation Lab (DiLab), San Diego State University

Advisor: Dr. Kaveh Abhari

- First author on a conceptual paper prepared for HCI, drafting the full manuscript with limited faculty revision
- Second author on an ECIS submission; wrote the initial full draft and completed the comprehensive literature review, including database searches, screening, synthesis, and integration into theory
- Contribute to theory building on how generative AI shapes cognitive regulation (attention, trust, emotion, risk, identity) and human agency
- Collaborate on manuscript revisions, conference formatting, and feedback cycles

## Teaching Experience

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### Curriculum Development Specialist

08/2025 – Present | San Diego, CA

San Diego State University, MIS Department

Supervisor: Dr. Dave Meader

- Designed comprehensive certification-to-course alignment strategy integrating 12 industry IT certifications (CompTIA Security+, AWS Cloud Practitioner, Cisco CCNA) with MIS undergraduate curriculum
- Developed detailed implementation proposals including module designs, experiential learning activities, platform recommendations (TryHackMe, AWS Academy, Cisco Packet Trace)
- Created course-specific integration proposals (MIS 585/Security+) with concrete deliverables, learning outcomes, and feasibility analyses

## Teaching Assistant

08/2025 – Present | San Diego, CA

*San Diego State University, MIS Department*

- MIS 306 (Information Systems Analysis & Design) – Spring 2026
- MIS 315 (Python Programming) – Fall 2025
- MIS 380 (SQL and Database Management) – Fall 2025

Responsibilities include grading projects and assignments, providing one-on-one student support, and proctoring examinations across three different courses

## Industry Experience

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### Technology Assurance Intern

06/2025 – 08/2025 | San Diego, CA

*KPMG*

- Conducted IT audit procedures including control testing, walkthroughs, and documentation across multiple client systems using SOX and SOC compliance frameworks
- Collaborated with cross-functional teams to assess risks, identify control gaps, and deliver key insights to senior auditors and client stakeholders
- Gained hands-on experience with ITGCs, application controls, and audit tools in a Big 4 professional services environment
- Received and accepted return offer to join KPMG full-time as a Technology Assurance Associate in 2026

### Operations Manager

01/2023 – 04/2024 | Philadelphia, PA

*Stages*

- Oversaw and coordinated operations and project management for tech start-up
- Fostered long-term relationships with clients and vendors spanning multiple time zones and continents
- Implemented and trained staff on multiple technology platforms including Excel, Favro, and Office 365
- Assisted in development of mobile application and website, operations plans, and investor pitch deck

### Business Manager

08/2019 – 01/2023 | Philadelphia, PA

*Grayson Sky*

- Engaged with clients and managed multiple accounts for marketing and digital media company
- Executed extensive market research and competitor analysis for accounts spanning numerous industries
- Contributed to team projects with brand development and copywriting for clients

### Data Analyst

04/2020 – 09/2020 | Arlington, Virginia

*GroupSense*

- Performed data breach mitigation for cybersecurity company
- Processed and analyzed large datasets utilizing Python, Spark, and Hadoop
- Influenced group dynamics across multiple continents while working with an entirely remote team

## Presentations & Service

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### Panel Speaker

MIS Department All-Hands Welcome Event - Student Research & Career Panel

*San Diego State University (2025)*

### Poster Presentation

Automating Scheduling with Deputy - MIS 306 Project Showcase

*San Diego State University (2025)*

## Certifications

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- CompTIA Security+

## Languages & Technical Skills

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Python, R, SQL, JavaScript, HTML/CSS, Data Analysis, Networking Fundamentals, Project Management, Cybersecurity Fundamentals, Business Systems Analysis, Favro, Qualtrics, Prolific, Zotero