

# GRIFFIN DIETZ

## EDUCATION

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<b>Stanford University</b>	Stanford, CA
Ph.D. in Computer Science, Advisors: James A. Landay and Hyowon Gweon	2022 [Expected]
<b>Stanford University</b>	Stanford, CA
B.S. in Computer Science with Honors and Distinction	2017

## REFEREED ARTICLES

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- Dietz, G.**, Le, J. K., Tamer, N., Han, J., Gweon, H., Murnane, E. L., & Landay, J. A. (2021). StoryCoder: Teaching computational thinking concepts through storytelling in a voice-guided app for children. *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems*, 1–15. **Best Paper Honorable Mention.**
- Dietz, G.**, Pease, Z., McNally, B., & Foss, E. (2020). Giggle gauge: A self-report instrument for evaluating children’s engagement with technology. *Proceedings of the Interaction Design and Children Conference*, 614–623.
- Ruan, S., He, J., Ying, R., Burkle, J., Hakim, D., Wang, A., Yin, Y., Zhou, L., Xu, Q., AbuHashem, A., **Dietz, G.**, Murnane, E. L., Brunskill, E., & Landay, J. A. (2020). Supporting children’s math learning with feedback-augmented narrative technology. *Proceedings of the Interaction Design and Children Conference*, 567–580.
- Dietz, G.**, Landay, J. A., & Gweon, H. (2019). Building blocks of computational thinking: Young children’s developing capacities for problem decomposition. *41st Annual Meeting of the Cognitive Science Society*.

## BOOK CHAPTERS

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- Dietz, G.**, Han, J., Gweon, H., & Landay, J. A. (2021). Design guidelines for early childhood computer science education tools. *Design thinking research* (pp. 291–306). Springer.
- Le Goc, M., Zhao, A., Wang, Y., **Dietz, G.**, Semmens, R., & Follmer, S. (2020). Investigating active tangibles and augmented reality for creativity support in remote collaboration. *Design thinking research* (pp. 185–200). Springer.

## SHORT PAPERS

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- Abtahi, P., & **Dietz, G.** (2020). Learning Rust: How experienced programmers leverage resources to learn a new programming language. *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems*, 1–8.
- Bruzzese, T., Gao, I., Ding, C., Romanos, A., & **Dietz, G.** (2020). Effect of confidence indicators on trust in ai-generated profiles. *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems*, 1–8.

**Dietz, G., E, J. L., Washington, P., Kim, L. H., & Follmer, S. (2017).** Human perception of swarm robot motion. *Extended Abstracts of the 2017 CHI Conference on Human Factors in Computing Systems*, 2520–2527.

## SELECTED WORK IN PROGRESS

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**Dietz, G.,** Beason, J. B., Tarrow, M., Hilliard, A., & Shapiro, R. B. ARtonomous: Introducing middle school students to reinforcement learning through virtual robotics. *In Submission at the 2022 CHI Conference on Human Factors in Computing Systems*.

**Dietz, G.,** Lowe, L. K., Landay, J. A., & Gweon, H. Theory of virtual mind: How do humans represent the “minds” of conversational AI? *In Progress*.

**Dietz, G.,** Tamer, N., Ly, C., Le, J., Gweon, H., & Landay, J. A. Visual StoryCoder: A multimodal interface for learning computing through storytelling. *In Progress*.

## INVITED TALKS

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**Stanford University** Cognitive Science Seminar May 6, 2021  
“Cognitively Appropriate and Readily Accessible Computing Education Technologies for Young Learners”

**University of Delaware** Computer Science Colloquium April 30, 2021  
“StoryCoder: Teaching Computational Thinking with Storytelling in a Voice-Guided App for Children”

**Stanford University** Human-Centered AI Spring Conference Lightning Talk March 25, 2021  
“StoryCoder: Teaching Computational Thinking with Storytelling in a Voice-Guided App for Children”

**Brown Institute for Media Innovation** Advisory Board Meeting October 20, 2021  
“Voice-based Interface for Storytelling and Programming in Early Elementary Years”

## AWARDS

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**Best Paper Honorable Mention** 2021  
ACM CHI | Dietz, et al., 2021

**NSF Graduate Research Fellowship** 2019

**Brown Institute for Media Innovation Magic Grant** 2019  
Awarded \$70,000

**Hasso Plattner Design Thinking Research Grant** 2018  
Awarded \$125,000

**Firestone Medal for Excellence in Undergraduate Research** 2017  
Top 10% of Undergraduate Theses in Social, Natural, and Applied Sciences | Stanford University

**Kennedy Thesis Prize** 2017  
Best Undergraduate Thesis in the School of Engineering | Stanford University

**Phi Beta Kappa** 2017

**Tau Beta Pi** 2017

## TEACHING

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<b>Section Leader</b> for CS106A Code in Place	Spring 2020
<b>Teaching Assistant</b> for Stanford CS197: Computer Science Research Top 5% of TAs in Stanford Computer Science Department	Fall 2019
<b>Instructor</b> for Stanford CS2C: Introduction to Media Production	Winter 2016
<b>Instructor</b> for Stanford CS1C: Introduction to Computing at Stanford	Fall 2015
<b>Section Leader</b> for Stanford CS106A: Programming Methodology	Spring 2015
<b>Section Leader</b> for CS106A: Programming Methodology	Winter 2015

## INDUSTRY EXPERIENCE

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<b>Apple, Inc.</b> Research Intern   Machine Intelligence Education Team	Cupertino, CA Sept 2020–Sept 2021
<b>Google, Inc.</b> Research Intern   Assistant Family & Personality Team	Mountain View, CA Summer 2019
<b>Google X</b> Software Engineering Intern   Self-Driving Car Project	Mountain View, CA Summer 2016
<b>TrueCar, Inc.</b> Software Engineering Intern   iOS Development Team	Santa Monica, CA Summer 2015

## COMMITTEE SERVICE

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<b>Student-Applicant Support Program (Co-Creator)</b> Stanford Computer Science	2020–Present
<b>Graduate Admissions Committee</b> Stanford Computer Science	2019–2021
<b>Bridge Buildings Committee</b> Stanford Computer Science	2019–2020
<b>Undergraduate Research Program Committee</b> Stanford Computer Science	2017–2019

## UNDERGRADUATE MENTEES

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<b>Lauren Lowe</b> Current junior at Stanford University	Winter 2020–Present
<b>Nadin Tamer</b> Current junior at Stanford University	Spring 2020–Present
<b>Carina Ly</b> Current junior at Stanford University	Winter 2021–Present

**Jimmy Le**

Current senior at Stanford University

Spring 2020–Spring 2021

**Thomas Hsieh**

Current senior at Stanford University

Winter 2020–Spring 2020

**Jenny Han**

Current MS student at Stanford University

Fall 2018–Spring 2019