

Clayton Cohn

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LINKS

[Personal Website](#), [LinkedIn](#), [GitHub](#), [StackOverflow](#)

PUBLICATIONS

- | | | |
|----------|---|--------------------------------------|
| Jul 2022 | Using the DiCoT framework for Integrated Multimodal Analysis in Mixed-Reality Training Environments | Frontiers in Artificial Intelligence |
| | https://www.frontiersin.org/articles/10.3389/frai.2022.941825/full | |
| Jul 2022 | Improving Automated Evaluation of Formative Assessments with Text Data Augmentation | AIED 2022 |
| | https://link.springer.com/chapter/10.1007/978-3-031-11644-5_32 | |
| Nov 2020 | BERT Efficacy On Scientific and Medical Datasets: A Systematic Literature Review | Master's Thesis |
| | https://via.library.depaul.edu/cdm_etd/24/ | |
| Oct 2020 | Identifying Causal Relations in Students' Explanatory Essays with BERT | Under Review, IJAIED |
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EDUCATION

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|---------------------|--|--------------------|
| Aug 2021 — Present | Doctor of Philosophy, Computer Science (expected 2026), Vanderbilt University | Nashville, TN, USA |
| | <ul style="list-style-type: none">• Focus on AI and NLP in learning environments• 3.95 GPA | |
| Jan 2017 — Nov 2020 | Master of Science, Computer Science, DePaul University | Chicago, IL, USA |
| | <ul style="list-style-type: none">• Concentration in Artificial Intelligence• Graduated with Distinction (3.97 GPA) | |
| Sep 2013 — Nov 2016 | Bachelor of Science, Computer Science, DePaul University | Chicago, IL, USA |
| | <ul style="list-style-type: none">• Concentration in Software Development• Cum Laude (3.54 GPA) | |
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EMPLOYMENT HISTORY

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| Jul 2021 — Present | Research Assistant, Vanderbilt University | Nashville, TN, USA |
| | <ul style="list-style-type: none">• Performing discourse analysis and event detection of nursing students during training• Designing conversational tutoring agent for computer-based high school science learning environment• Developing formative assessment engine for middle school science short answer responses• Exploring NLP approaches to data augmentation, few-shot learning, and domain-specific learning• Leveraging multimodal approaches toward analyzing learning environments | |
| Jan 2016 — Apr 2017 | iOS Developer, The UpNext, Inc. | Chicago, IL, USA |
| | <ul style="list-style-type: none">• Designed, built, and launched iOS music discovery app• Managed team of three software engineers• Developed algorithm for quantifying performance of up-and-coming artists• Implemented Apple SDK APIs and CocoaPods third-party APIs | |

MILITARY EXPERIENCE

Jul 2005 — Jul 2009

Infantry Machine Gunner, United States Marine Corps

Camp Lejeune, NC, USA

- Honorably discharged as Sergeant with "Excellent" Proficiency and Conduct Marks
- Completed two deployments to Iraq
- Awarded Purple Heart for wounds sustained in battle
- Awarded Certificate of Commendation as Honor Graduate (first in the class) at Infantry Machinegun Leaders Course

FELLOWSHIPS AND AWARDS

University Graduate Fellow

Vanderbilt University

"The University Graduate Fellowship is awarded by the Graduate School to highly qualified students entering study for the PhD or the master's degree, if that is the highest degree offered by the program."

Russell G. Hamilton Scholar

Vanderbilt University

"As part of the initiative of the Graduate Education and Research Endowment, Russell G. Hamilton scholarships are awarded to highly qualified students intending to pursue the PhD degree."

CLUBS AND ORGANIZATIONS

Vanderbilt Prison Project

Vanderbilt University

- Organizes semi-monthly meal preparation for Dismas House residents transitioning out of prison

Challah for Hunger

Vanderbilt University

- Participates in semi-monthly challah-bakes to aid in fundraising for hunger-fighting organizations

Graduate Computer Science Student Council, Student Organizer

Vanderbilt University

- Organizes and attends professional, academic, and social events for Vanderbilt's graduate computer science student body

PATENTS

Oct 2014

Key Locator Device

Patent #: 8855672

- Key fob allowing key-locating via GPS and pager technology
- Enables user to call, text, page, or ping his or her keys
- Emits sound or vibration when pinged