

Matthew J. Re

CLEMSON UNIVERSITY LECTURER · COMPUTER SCIENCE

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Education

Clemson University

M.S. COMPUTER SCIENCE

- Advisor: Dr. Paige Rodeghero & Prof. Carrie Russell
- GPA: 3.85

Clemson, SC

F2021 - S2023

University of South Carolina

B.S. COMPUTER SCIENCE

- Magna Cum Laude - GPA: 3.848

Columbia, SC

F2017 - S2021

Relevant Coursework

Undergrad.: Algorithmic Design, Data Structures, Database Management, Robotics, Data Visualizations, Ethics in CS.

Graduate: Virtual Reality, Human Computer Interaction, Database Management, Research Methods, Data Security, Data Visualizations, Statistics, Eye Tracking.

Professional Experience

2023-
present

Lecturer, Clemson University - Responsible for teaching up to four courses of up to 65 students each per semester and actively contributing to the undergraduate teaching mission of the department.

2023-
present

Faculty Advisor, Clemson University - Faculty Advisors maintain up-to-date knowledge of degree requirements, policies, and procedures to meet with assigned academic advisees to monitor and discuss advisees' progress towards their educational goals.

2021-2023

Graduate Teaching Assistant (GTA), Clemson University - GTAs are the right hand of the primary instructor for the respective course. Duties often include assignment creation, distribution, and grading, hosting office hours, and giving lectures.

2020-2021

Peer Assistant Mentor (PAM), University of South Carolina - PAMs serve as mentors for incoming Supplemental Instruction Leaders and lead discussions about hosting meaningful tutoring sessions.

2020-2021

Peer Tutor, University of South Carolina - Peer tutors are 1-on-1 tutors for a range of courses offered at the University.

2019-2021

Undergraduate Teaching Assistant (UTA), University of South Carolina - UTAs assist students in the completion of in-class Java programming exercises by answering questions and providing relevant examples to help guide students to deriving their own solutions.

2019-2021

Supplemental Instruction (SI) Leader, University of South Carolina - SI Leaders host small, group-based learning tutoring sessions three times a week that follows a specific course at the University. These three sessions were first planned using a lesson plan template and allowed students to build or reinforce their understanding of core concepts in the respective class.

Technical Experience

Languages: Java (Most Proficient), C#, Python, C++, Godot, MySQL, R
Tools: Andriod/Andriod Studio, Unity, VSCode, PyCharm, Eclipse, IntelliJ, Selenium, MS Office, GitHub, Unity, Linux
Frameworks: Django, JUnit, Bootstrap

Outreach & Professional Development

2021-2022	Educating Autistic Software Engineers (EdASE), Instructor & Researcher- CGCC is a virtual summer camp for high school students on the autism spectrum (ASD). The camp exposes students to high-level video game design and development and provides opportunities for networking with peers.	Clemson
2017-2019	GoSciTech, Student Assistant- GoSciTech is an overnight STEM Camp hosted at the SC Governor's School for Science and Math. For a week, campers have the opportunity to explore the corners of STEM while living on the school's campus alongside the other campers. Student Assistants worked alongside the course instructor during camp instructional hours while partaking in activities and monitoring the campers before and after instructional hours.	SCGSSM

Publications

PUBLISHED

Makayla Moster, Ella Kokinda, **Matthew Re**, James Dominic, Jason Lehmann, Andrew Begel, Paige Rodeghero. 2022. "Can You Help Me?" An Experience Report of Teamwork in a Game Coding Camp for Autistic High School Students. 2022 IEEE/ACM 44th ICSE-SEET.

DRAFTED, NEVER PUBLISHED

Matthew Re, Kristen Baddorf, Paige Rodeghero, Sabarish Babu. 2023. Developing an Application For Improving Productivity in ADHD Individuals: Introducing TaskMatcher.

Awards, Fellowships, & Grants

2021, 2022, 2023	Graduate Research Fellowship , Clemson University School of Computing	\$ 20,000
2022	Clemson TIGER Grant , Clemson University	\$ 5,000

Teaching Experience

Present	Software Development Foundations , Lecturer - Primary Instructor	Clemson
S22 - S23	Database System Design (mySQL) , Graduate TA - Prof. Connie Taylor	Clemson
F21	From Coder to Craftsman (Intro. Java) , Graduate TA - Prof. Connie Taylor	Clemson
F20 - S21	Algorithmic Design 2 (Java) , Undergraduate TA - Dr. J.J. Shepherd	USC
F19 - S20	Algorithmic Design 1 (Intro. Java) , Undergraduate TA - Dr. J.J. Shepherd	USC
S19 - S21	Algorithmic Design 1 & 2 (Intro. Java) , Supplemental Instruction Leader	USC

Relevant Projects

2022-2023	Ultrasound Guided IV Insertion Training, Developer & Researcher - Project for creating a repeatable and engaging training module for ultrasound-guided IV placement aimed at inexperienced healthcare workers in rural areas.	<i>Clemson & MUSC</i>
2020-2021	WorkHuntr, Developer - Project for USC's senior design course. WorkHuntr is an online posting board for freelance programming jobs. Public repo can be found at https://github.com/SCCapstone/WorkHuntr .	<i>USC</i>