Drew Hatcher

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Education

August 2017 - December 2020

Candidate for Bachelor of Science in Computer Science, *Georgia Institute of Technology*, Atlanta, GA
- Threads in Artificial Intelligence and Information Internetworks
- GPA: 3.96 / 4.00

January 2021 - December 2021 (Expected)

Candidate for Master of Science in Computer Science, *Georgia Institute of Technology*, Atlanta, GA
- Specialization of Machine Learning

Work & Experience

August 2020 - Present

Teaching Assistant for CS 4400 Intro to Database Systems, *College of Computing, Georgia Institute of Technology*, Atlanta, GA
- Hold online office hours where students can ask questions regarding assignments, projects, exams, or other course material
- Contributing to the writing, testing, supporting, and grading of a semester long database design project
- Communicate with fellow TAs on Slack to organize and discuss course content and weekly meetings

June 2019 - August 2019

Software Engineering Intern, *MemberClicks*, Atlanta, GA
- Worked on a software development team to alleviate pain points for customers by creating new features and fixing bugs
- Debugged, developed endpoints, and wrote scripts in the back end using Scala, Python, Spring Boot, MongoDB, OracleDB
- Fixed user experience and interface issues on the front end using JavaScript, PHP, HTML5, Node.js, and Angular
- Participated in code reviews, team meetings, and daily stand-ups to facilitate communication within our development team

January 2019 - May 2020

Teaching Assistant for CS 2050 Intro to Discrete Math, *College of Computing, Georgia Institute of Technology*, Atlanta, GA
- Hold office hours and grade course assignments over topics including induction, set and proof theory, probability, and more
- Utilized active learning techniques to teach weekly recitations of up to 40 students
- Filled in occasionally to give lectures and answer questions in classes of over 200 students

January 2019 - May 2020

Back End Developer, *Stadium IoPT VIP, Georgia Institute of Technology,* Atlanta, GA
- Helped design a relational database and write a REST API for a mobile iOS fan engagement application
- Utilized the Laravel PHP Framework as well as the WAMP Server software stack to develop and test our back end
- Built and tested endpoints to get trivia questions, store fan scores, report game analytics, and more

Personal Projects

May 2020 - June 2020

You Choose, Muse
- A web app that crafts recommendation playlists for Spotify users along with allowing them to access their top tracks, artists, and recently played tracks. The application uses Spotify's web API, was built using React and Node.js, and is hosted on Heroku

December 2019

ML Genre Classification of Movies Using Posters
- A Machine Learning project that studies the effectiveness of classifying a movie's genres based on the movie's poster using supervised learning, specifically CNNs. The project utilized Jupyter Notebook, along with the TensorFlow and Keras libraries

July 2020 - August 2020

Personal Website
- A responsive website that displays information about me. Designed and built using React and Node.js, and hosted by Heroku

November 2019

Movie Theater Tracker
- Developed the database schema and stored procedures for an app that allows admin to manage theaters and movies while customers can see local theater showings and track theater visits. This was written in SQL using the MySQL RDBMS

Skills

Languages	Java, Python, SQL, C, JavaScript, PHP, Assembly, HTML, CSS
Tools & Frameworks	Git, Docker, React, Laravel, Heroku, Postman, Android Studio
CS Concepts	Machine Learning, Relational Databases, Web Development, Mobile Development, Object Oriented Programming, Algorithm Design, Data Structures, Low Level Programming, Networking
Soft Skills	Desire to Learn, Experienced Leader, Reliable Team Member, Creative Problem Solver, Passionate and Driven, Open Minded
Design	UI/UX Design, Adobe Creative Suite, Web Design, Graphic Design, Photography