LAURA NEFF

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SUMMARY

Full-stack software developer with a solid foundation in building websites with Javascript, Node.js, and React.js, backend servers with Express, and databases in MySQL and Firebase. In addition, I have built interactive Java programs for my employers and proficient in Python and R for data science.

TECHNICAL SKILLS

R, Java, Python, Javascript, Node.js, React.js, Express, MongoDB, MySQL, jQuery, HTML5, CSS3, Firebase, Heroku, Bootstrap, Chai.js, Mocha.js

EDUCATION

Emory University, B.S. Computer Science Major, Class of 2021, 3.6 GPA.
Kinnelon High School, Class of 2017, Top 5% Rank.

Full-stack Software Developer Certificate, Columbia University School of Engineering, NY, 2019. A 12-week intensive program focused on gaining technical programming skills in JavaScript, Node.js, React.js, HTML5, CSS3, jQuery, Bootstrap, Firebase, MySQL, MongoDB, Express, Chai.js and Mocha.js. Program accepted only 5% of 12,000 students who applied and required a skills test.

Emory Business Institute Program Certificate, Goizueta Business School, 2018, 3.7 GPA. Program concentrated operation strategy, finance, communication, accounting, certain aspects of computer science and data management including social media, invention development and entrepreneurship, technical writing and management.

EXAMPLES OF SELECTED PROJECTS

Modern Tamagotchi-style Video Game developed in Java using the ACM Graphics Library.

🔲 github.com/Laura-Neff/ Modern-Tamagotchi-Game

Bootstrap + jQuery Web App for finding recipes and meals at nearby restaurants that incorporate a certain ingredient, using the Yelp, Google Maps, and Edamam APIs.

🔲 github.com/Laura-Neff/ IN-OR-OUT

Express.js Financial / Investing Web App that helps users better track, invest, and save their money, incorporating JS unit tests.

🔲 github.com/Laura-Neff/ Project2-1

LEADERSHIP AND WORK EXPERIENCES

CS Developer and Technology Advisor   January 2019 - May 2019
Emory University   Atlanta, GA

In charge of brainstorming and executing different ways to use technology, such as coding interactive games and making videos and comics to enhance the learning experience of computer science and math students at Emory.

Donation Coordinator for Emory Telefund   January 2019 - April 2019
Emory University   Atlanta, GA

Emory Fundraising Team that communicates with alumni, parents and friends to secure gifts to the school. Donors support academics, research, patient care, scholarship and service.

EC/OC Secretary and Technology Article Editor and Writer   October 2017 - May 2019
Her Campus Media   Atlanta, GA

Responsible for setting up meetings, reminding club members of deadlines for articles, as well as writing for the EC/OC chapter of Her Campus, a global online news and media company with 1600+ employees and 33+ million unique visitors.

VOLUNTEER EXPERIENCES

Volunteer Math and Science Tutor   Mar 2019 – Present
STEMinists at Emory University   Atlanta, GA

Up to 6 hours per week, I tutor students at grade levels ranging from elementary to high school on a one-on-one basis. Most of my tutoring so far has been at Covington Academy, which I commute 45 minutes to from my apartment in Atlanta during the school year. I strive to teach my students how to approach problems from a creative angle to simplify processes and to help them more easily digest information. My biggest goal as a tutor is to not only give students confidence in their STEM skills to hopefully help them enjoy what STEM has to offer. I aid them in developing the skills they need to pursue STEM careers, but also to act as a mentor that is understanding of each student's story.

PATENTS AND PUBLICATIONS

- **US Patent Application 15/256,673.** Neff, Laura. "Instructional Content Generation for the Challenged." 2016.
- **US Patent Application 16/166,121.** Neff, Laura. "An Intelligent System and Method for Immersive Interactive Media Creation." 2018.
- **US Patent Application 16/172,781.** Neff, Laura. "Intelligent Model for Instructional Content Generation." 2018.

HONORS AND AWARDS

- Member of Alpha Upsilon Epsilon Honor Society per performance at Emory
- Emory University Dean's List - 2017 and 2018
- (Gold) President's Education Awards Program
- National Honor Society
- French Honors Society
- Tri-M Music Honors Society

LANGUAGES SPOKEN

English (native); French (fluent); Spanish (working knowledge)