Jamie C. Kook (Eldredge)

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Summary

Web Developer coming from a background in science education and research. Experienced in creating a web-hosted educational game that used theory and data-driven feedback in its effectiveness and clear presentation of information. Earning a certificate in Full-Stack Web Development from Vanderbilt University, acquiring a functional knowledge of HTML, CSS, Javascript, React.js, Node.js, and more. A great collaborator and communicator, having used my organizational and critical thinking skills to move projects forward both as a leader and as a team member. A quick learner who is always eager to tackle difficult problems and enjoys puzzling through a new challenge. Looking forward to developing new web technologies, utilizing my background and technical skills, and adapting along the way.

Technical Skills

HTML5, CSS3, JavaScript, jQuery, Bootstrap, Express.js, React.js, Node.js, MongoDB, MySQL

Projects

Weather Dashboard
 https://github.com/JamieKook/WeatherDashboard | https://jamiekook.github.io/WeatherDashboard/
- This web application displays both current weather and the 5 day forecast of user-selected cities
- I created the application from scratch following a set of guidelines
- This project utilizes javascript, css, bootstrap, jQuery, local storage, Moment.js, Mapquest's geocoding and static map apis, OpenWeather's weather api and the navigator's geolocation api

Day Planner | https://github.com/JamieKook/DayPlanner | https://jamiekook.github.io/DayPlanner/
- This web application functions as an event planner for a day of work
- I created the application using a provided style-sheet and a set of guidelines
- This project utilizes javascript, css, bootstrap, jQuery, local storage, and Moment.js

Experience

Teacher   2015-present
Bellevue Homeschool Enrichment   Pegram, Tennessee

- Creates and teaches hands-on curriculum for biology, math, physics and chemistry

Game Designer   2016-2017
Vanderbilt University   Nashville, Tennessee

- Lead designer for an educational web-based game using standards-based learning goals, educational theory, and data-driven feedback
- Created game levels using the game's scripting API, designed game progression, constructed tutorials, updated game layout and visuals, and uploaded game to server

Educational Consultant 2014-2015
Vanderbilt University Nashville, Tennessee

- Assisted with game design with a focus on presenting difficult physics concepts in engaging and clear ways to enhance student learning
- Collaborated with various interest groups to define goals and construct new ideas
- Involved in multiple technical aspects of the software development including scripting game levels
- Managed scheduling, designing, preparing, and leading classroom implementation of the game curriculum for various research studies in grades 7th-9th
- Consolidated, organized, and analyzed research data using Excel

Assistant Director of Administration/Teacher 2013-2014
Huntington Learning Center Brentwood, Tennessee

- Managed daily operations, working closely with customers and employees
- Tutored students in math and science and taught reading, study skills, math, and ACT prep

Graduate Research Assistant (SURGE) 2012
Vanderbilt University Nashville, Tennessee

- Analyzed game levels to identify student learning and possible misconceptions
- Assisted in creating software to gather metadata on student game playing dynamics

Eco-Explorer (Docent/Educator) 2010-2012
Utah's Hogle Zoo Salt Lake City, Utah

- Involved with exhibit interpretation and educating guests
- Helped with a variety of educational programs and special events including educational animal shows, presenting information to large groups while handling animals including raptors
- Designed and conducted educational programs for camps and classroom settings (K-12)
- Helped interview and train incoming employees
- Team Leader

Education

Coding BootCamp Certificate, 2020- Vanderbilt University, Nashville, TN
A 24-week intensive program focused on gaining technical programming skills

Master of Education, Secondary Science Education, 2013- Vanderbilt, Nashville, TN
Member of the Peabody Honors Scholarship Cohort 2011
2012-2013 Peabody Graduate Student Association- T&L Department Co-Chair

Bachelor of Science, Summa Cum Laude, Biology, 2010- University of Utah, SLC, UT
Member of the 2006 ACCESS Program for Women in Math and Science
Participated in the Biology Undergraduate Research Program
Member of the 2008-2009 Honors College Community Leadership Scholars