

Jamie C. Kook (Eldredge)

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Github: <https://github.com/JamieKook> | Profile: <https://jamiiekook.github.io/>

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

Got Jobs | <https://github.com/JamieKook/GotJobs> | <https://jamiiekook.github.io/GotJobs/>

- This web application searches user-selected cities for job postings and quality of life data for that city
- Collaborative project- responsible for all functions regarding the job search and map found in the script.js file
- This project utilizes javascript, css, bootstrap, Animate.css, jQuery, local storage, Mapquest's static map api, The Muse's job api, Teleport's api, and Plot.ly

Numbers | <https://github.com/JamieKook/Numbers> | <https://jamiiekook.github.io/Numbers>

- This web application displays numbers in different representations featuring an abacus game to help children develop mathematical thinking
- Passion project created independently
- This project utilizes javascript, css, bootstrap, Animate.css, jQuery, local storage, and Giphy's API

Experience

Teacher

Bellevue Homeschool Enrichment

2015-present

Pegram, Tennessee

- Create and teach hands-on curriculum for biology, math, physics and chemistry

Project Manager/Game Level Scripter

Vanderbilt University

2016-2017

Nashville, Tennessee

- Project manager for an educational web-based game, SURGE Symbolic, using standards-based learning goals, educational theory, and data-driven feedback- <http://www.surgeuniverse.com>
- Completed the final iteration of SURGE Symbolic game by designing game progression, creating game levels by scripting JSON files using the game's scripting API, constructing tutorials, updating game layout and visuals, and uploading the finished game to the server.

Project Manager/Educational Consultant
Vanderbilt University

2014-2015
Nashville, Tennessee

- Assisted with game design, SURGE Symbolic and Fuzzy Chronicles, with a focus on presenting difficult physics concepts in engaging and clear ways to enhance student learning
- Collaborated with Facet Innovations and the games' post-doctorates and the PI, to define goals and construct new ideas, and create curriculum and assessments
- 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 MNPS classrooms
- Ensured timely completion of the various projects by delegating tasks, setting time frames, organizing materials, and completing necessary paperwork
- Consolidated, organized, and analyzed research data using Excel

Assistant Director of Administration/Teacher
Huntington Learning Center

2013-2014
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
Vanderbilt University

2012
Nashville, Tennessee

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

Eco-Explorer (Docent/Educator)
Utah's Hogle Zoo

2010-2012
Salt Lake City, Utah

- 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)

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