Leslie ChinQuee

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Full stack web developer with a background in Biomedical Engineering. Earned a certificate in Full Stack Web Development from Rutgers University Coding Boot Camp. Currently contributes to the design and development of medical devices by creating requirements specifications for firmware and software development. Strengths in creativity, collaboration and attention to detail.

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, SQL
Applications: GitHub, Heroku, MySQL
Tools: Express, Node, Handlebars, JQuery, Bootstrap, Bulma, MATLAB & Simulink, Microsoft Office: Word, PowerPoint, Excel, Visio

PROJECTS

What's For Dinner, Web App | https://github.com/JillianA328/whats-for-dinner | https://jilliana328.github.io/whats-for-dinner/

- Summary: Website that aids a user in determining what to have for dinner via search based on Dine In and Dine Out options
- Role: Front end developer
- Tools: HTML, CSS, JavaScript, JQuery

Coding Quiz | https://github.com/lchinquee/nextreams | https://lchinquee.github.io/nextreams/

- Summary: Online timed coding quiz that tracks the tester's score based on an initial countdown timer
- Role: Sole developer
- Tools: HTML, CSS, JavaScript

Global Health - "Point of Care Zika Virus Microfluidic Diagnostic Test using Saliva Samples"

- Conducted a literature search on diagnostic devices and proposed a new Zika diagnostic test to be used at the point of care

Tissue Engineering - *"In Vitro* Model of Alcohol-Induced Injury of iPSC-derived NSCs"

- Devised a model for clinicians to analyze how alcohol modulates neural development in an embryo via published stem cell research

EXPERIENCE

Systems Engineer, Sterling Medical Devices, Moonachie, NJ **May 2018 – Present**

- Created product and software requirements for design, implementation and verification of device prototype
- Designed test protocols to formally verify each defined product and software requirement for the device prototype
- Assessed risks and hazards associated with design features for the device prototype for physician and patient safety

Professional Tutor/Supplemental Instructor, Bergen Community College, Paramus, NJ **November 2017 – May 2018**

- Provided course instruction to supplement in-class learning in STEM related courses
- Performed one-on-one tutoring in a variety of mathematics courses enhancing student confidence and knowledge of subject fields
- Led study groups to facilitate peer learning and encourage good study habits
- Assessed students' preferred learning styles and adjusted tutoring strategies accordingly

Sr. Design Project Group Leader, Rutgers University, New Brunswick, NJ **September 2016 – May 2017**

- Co-designed *3D Printed Implantable Tissue/Bone Scaffold Engineered for Osteoblastic Upregulation at Chronic Wound Sites* bringing the prototype device closer to the clinical trials phase
- Served as project manager by developing Gantt Charts and leading peers to accomplish critical tasks pivotal to prototype development
- Efficiently tested mechanical properties of project prototype using an Instron machine ensuring the device was within desired parameters
- Developed test procedures for chemical testing of prototype to confirm chemical properties of the prototype
- Performed Alizarin Red assays to quantify mineral deposition on project prototype in order to determine the best biomaterial combination to use for project prototype
- Produced and presented final written report and oral presentation to demonstrate prototype's theory and function

EDUCATION

Certificate, Full Stack Web Development – Rutgers University New Brunswick, NJ

Bachelor of Science, Biomedical Engineering – Rutgers University, School of Engineering New Brunswick, NJ

COMMUNITY INVOLVEMENT

Minority Engineering Educational Task member **Fall 2014 – Spring 2017**
Rutgers Powerlifting member **Fall 2016 – Spring 2017**