Lucy Chung

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Vigorous young developer with an appetite for growing my skillset and staying on the cutting edge of technology

Education

University of Nebraska at Omaha | Omaha, NE — 2020 - Present
Master of Science in IT Innovation – 4.0

Creighton University | Omaha, NE — 2014 - 2018
Bachelor of Science in Neuroscience – 3.6

Skills

Programming Languages: C++, JavaScript, Python, SQL, HTML, CSS

Programming Tools: Django, Vue, SQL, Selenium

Certification: Professional Scrum Master I

Management: Trello, Azure DevOps

Projects

Kits Inventory Tracking System | Django web application — Spring 2021
- Collaborated with a clinical trials office to identify and create system requirements to improve the management of research kits
- Developed in an agile environment utilizing Django.py, SQL, & Bootstrap, tested with Selenium testing software

Traffic Simulation | Python program — Spring 2021
- A traffic simulator that included modifiable variables to test traffic flow & congestion, visualized with Matplotlib

Squeaky Clean | Product planning project — Fall 2020
- A semester project in overview of systems & analysis class to identify stakeholder requirements, creating user stories and system requirement to initiate software development

Research Experience

Clinical Trials Office at the University of Nebraska Medical Center | Clinical research associate — 2019 - 2020
- Coordinated staff to collect biological specimens & maintained the clinical trials database
- Assisted with training materials on Microsoft SharePoint to securely transfer files & created the department's SharePoint website

Summer Research Program at Creighton University | Research intern — Summer 2018
- Standardized protocols to produce & purify modified monoclonal CCR5 antibodies for HIV protection
- Characterized modified antibodies using flow cytometry & other scientific assays

Experimental Neuroscience Research at University of Nebraska Medical Center | Student research assistant — 2017
- Performed stereotaxic surgery on mice & analyzed neuronal oscillation data to investigate the role of NMDA neuroreceptors

Scientific Contribution

Mao, Z., He, S., Mesnard, C., & Chung, L. (2020). NMDA receptors containing GluN2C and GluN2d subunits have opposing roles in modulating neuronal oscillations; potential mechanism for bidirectional feedback. Brain Research, 1727.

Honors & Awards

Summer Research Institute Colloquium – 3rd Place, August 2018

Haddix Foundation Scholarship – Full ride to Creighton University

Global Initiative Scholarship – $4,000 for study abroad expenses

Dean's Honor Roll – 6 semesters

Portfolio: https://is2lucy1.github.io/Portfolio/ **Github:** https://github.com/Is2lucy1 **LinkedIn:** https://www.LinkedIn.com/in/lucychung-2023