Ki Beom Kim

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Skills

- Proficient in Node.js, Express, Mongoose, MongoDB, Sequelize, MySQL, RESTful API development, React.js, jQuery, Javascript, CSS, Bootstrap, HTML
- Clean, efficient, and succinct coding style, and desire to improve and learn new styles
- Creative and experimental mindset for designing a novel approach to solve problems
- Experienced in Ruby, R, Java, C, OCaml, Prolog, and Matlab
- Proficient in MS word, Excel, PowerPoint, and Photoshop
- Fluent in English and Korean

Education

Full Stack Web Development Bootcamp Sep. 2018-Dec. 2018
- Georgia Institute of Technology

B.S. in Bioengineering with minor in Computer Science Graduation May 2017
- University of Maryland, College Park GPA: 3.3/4.0
- Undergraduate Research Thesis Citation May 2016

Experience

Full Stack Web Development Bootcamp Sep. 2018-Dec. 2018
Web developer, Georgia Institute of Technology BootCamp
- Programmed and wrote various projects using RESTful API and web development technologies such Node.js, Express, Mongoose, MongoDB, Sequelize, MySQL, React.js, jQuery, Javascript, CSS, Bootstrap, and HTML

Neuron-Specific Protein Mediated Nanomedicine for Spinal Cord Injury Repair Aug. 2017-May 2018
Graduate Research Assistant, Clemson University Dept. of Bioengineering
- Developed a novel nanomedicine design for intracellular delivery of therapeutic drug for spinal cord injury
- Designed and performed studies with cells and rat specimen to prove the efficacy of the nanomedicine

Analyzing Transcriptional Factor Functional Binding using Machine Learning Sep. 2016-May 2017
Research Assistant, University of Maryland Dept. of Computer Science
- Programmed in Ruby to analyze and extract DNA data strings from large dataset textfiles for whole human genome
- Programmed in R with machine learning libraries to identify and predict transcriptional factor functional binding by comparing the data strings with experimental results

Promoting a Novel Approach to Cellular Gene Expression Alteration Sep. 2013-May 2016
Undergraduate Research Thesis, University of Maryland Gemstone Honors Program

- Designed a chimeric protein for DNA-based therapeutics based on previous NIH research
- Designed experiments to test the efficacy of the protein
- Led a team of students with various academic backgrounds, facilitating communication regarding technical sides of the project
- Presented project results at Rustbelt RNA Meeting of 2015
- Successfully defended thesis involving UMD faculty members and professionals

Publication

Kim, K. B., Kim, J. H., Jeong, Y., Jeong, Y. S., and Chung, S. J. (2012). Prediction of Coastal Fecal Indicator Bacteria Concentrations Using Multivariate Data Analysis. *Journal of Environmental Science and Engineering*, 1(4A), 440-447.

Contact

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