KARI GREEN

Computer Science Engineer

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A senior at the University of Michigan studying computer science engineering who thrives in a challenging, problem solving environment. Demonstrated ability to work on complex, interdisciplinary problems and produce high quality solutions.

Languages: Python, C/C++, SQL, C#, Groovy/Java, HTML, CSS, JavaScript, R, MATLAB
Environments & Technologies: Linux, Docker, Jenkins, MS SQL Server

EDUCATION

UNIVERSITY OF MICHIGAN
Graduating Dec 2017

BACHELOR OF ENGINEERING: COMPUTER SCIENCE

- GPA: 3.5
- Minor in Scandinavian Studies

EXPERIENCE

GE HEALTHCARE
May 2017 – July 2017

EDISON ENGINEERING SOFTWARE INTERN

- Optimized the software build process by creating a new containerized build environment using Docker. Integrated new hardware into the build system.
- Scripted a Jenkins pipeline using Groovy and JSON files retrieved from GitHub to automatically initiate software builds.
- Achieved a 5x improvement in software compilation time.

FAST ENTERPRISES
May 2016 – Aug 2016

SOFTWARE IMPLEMENTATION CONSULTANT INTERN

- Communicated with non-technical consumers to identify errors in the system or desired new functionality.
- Evaluated potential solutions with the consumers. Implemented and tested the agreed upon solutions producing a more robust, higher-quality product.
- Analyzed current code and updated code for a major software upgrade. Pinpointed potential conflicts between the two to reduce the time to implement the upgrade.

KRESGE HEARING RESEARCH INSTITUTE
Jan 2010 – Present

RESEARCH ASSISTANT

- Designed and executed my own project related to antioxidants as a method for treatment of congenital hearing loss. Published a first-authored paper in Nature's Scientific Reports. Presented this research at the graduate student symposium.
- Advanced the data analysis techniques in the lab by writing scripts (using R) that automatically provide T-tests and ANOVAs as needed.
- Produced 5 top-tier publications, 4 first-authored, as a collaborator on many interdisciplinary projects related to language acquisition and hearing.

AWARDS

UNIVERSITY OF MICHIGAN
2017

SENIOR DESIGN COMPETITION: SECOND PLACE

- Thrifty Thieves: 4 player video game written in C# using Unity

EVOLANG IX
2012

STUDENT PRESENTATION AWARD: 50,000 YEN

PUBLICATIONS

Green KL, Swiderski DL, Prieskorn DM, DeRemer SJ, Beyer LA, Miller JM, Green GE, & Raphael Y. (2016) "**ACEMg diet supplement modifies progression of hereditary deafness**" Nature Scientific Reports.

Lee MY, Hackelberg S, Green KL, Lunghamer KG, Kurioka T, Loomis B, Swiderski DL, Duncan RK, & Raphael Y. (2017) "**Survival of human embryonic stem cells implanted in the guinea pig auditory epithelium**" Nature Scientific Reports.

*Green CN. (2014) "**FOXP2 mediates operant self-learning necessary for language development**" The Past, Present and Future of Language Evolution Research. p. 58

Green CN, Green GE. (2014) "**Language Development in Children with Laryngeal Abnormalities Identifies Prerequisites for Verbal Protolanguage**." In: Hackensack NJ and London. Eds. The Evolution of Language. Singapore: World Scientific Publishing.

Green CN, Driver LE, Bohm LA, Green GE. (2012) "**Speech development in previously aphonic children after airway reconstruction recapitulates evolution of spoken language**." In: Scott-Philips TC, Tamariz M, Cartmill EA, Hurford JR, editors. Evolution of Language. Singapore: World Scientific Publishing; p.158-164.

PRESENTATIONS

Green KL. **Treatment of Cx26 Hereditary Deafness**. Lawrence Hawkins Lectures, Ann Arbor, MI. (2015).

Lee MY, Hackelberg S, Green KL, Lunghamer KG, Kurioka T, Duncan RK, & Raphael Y. **Transplanted human H9-GFP stem cells survive in scala media of conditioned guinea pig cochlea**. ARO, San Diego, CA (2016). (Poster Session)

Green CN. **Language development in children with laryngeal abnormalities identifies prerequisites for verbal protolanguage**. Evolang, Vienna, Austria. (2014).

Green CN. **Speech development in previously aphonic children after airway reconstruction recapitulates evolution of spoken language**. Evolang, Kyoto, Japan. (2012).

*Note: Formerly known as Caroline N Green