Peter K Raymond

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ABOUT

A software engineer with a passion for asking questions, solving problems, and finding more efficient ways to accomplish goals. In pursuit of developing and integrating technologies that improve that improve the experience, luxury, and / or utility of the increasingly connected world around us. Particular interests include the ability for technology to supplement the work done in areas of medicine, hearing, education, and music.

CORE COMPETENCIES / PROGRAMMING LANGUAGES

Audio Signal Processing	C++ / C# / Objective-C
Acoustics / Psychoacoustics	MATLAB / Python / r
Objected Oriented Design	HTML / Javascript / CSS
Application Development	Processing / Max MSP

EXPERIENCE

BOSE CORPORATION, Greater Boston, MA

Software Engineer I   June 2013 – Present
Software Engineer II   May 2015 – Present

- Develop, maintain, and document tools for Bose Active Sound Management (ASM) technology in vehicles
- Collaborate with international teams to prototype new designs, experiences, and tools focused on improving efficiency and providing algorithms for more intuitive controls of the ASM technology

LIVIO RADIO, Ferndale, MI   Summer 2012

Software Engineering Intern

- Write, Test, Debug, and Document independent and collaborative projects for production and prototyping
- Develop for Web Applications, iOS, and Bluetooth Low-Energy hardware modules

UNIVERSITY OF MICHIGAN, Ann Arbor, MI   2007 – 2012

Digital Signal Processing Design Project (EECS 452)

- Work collaboratively with my teammates to design a controller that turns a surface into a gesture recognition DJ controller
- Developed based on standards for music production software, we programmed in Verilog and C.

iOS Application for Technical Ear Training

- Objectively trains a user to identify frequencies as practice for mixing or live sound engineering.
- Iterate UI Designs through mockups with sample group to determine intuitive interface elements

EDUCATION

B.S.E. Computer Engineering, University of Michigan, Ann Arbor, MI
B.S. Sound Engineering, University of Michigan, Ann Arbor, MI

HONORS

GPA: 3.58 - Magna Cum Laude
Eta Kappa Nu (HKN) Honor Society Member
Audio Engineering Society Member – Previously Chair, Treasurer, and Webmaster