

KENJI AONO

1 Brookings DR, CB1042; St. Louis, MO 63130 | aono@wustl.edu

OBJECTIVE

Gain experience beyond academia; in particular, learning about industry-level circuit design, layout and simulation

EDUCATION

DOCTOR OF PHILOSOPHY | 2018 | WASHINGTON UNIVERSITY IN ST. LOUIS

- Computer Engineering
- *On the Role of Jump-Resonance Phenomena: Cochlear Filters and Piezo-Floating-Gate Sensors* (Provisional Title)

MASTER OF SCIENCE | 2013 | MICHIGAN STATE UNIVERSITY

- Electrical Engineering

BACHELOR OF SCIENCE | 2011 | MICHIGAN STATE UNIVERSITY

- Computer Engineering
- Electrical Engineering

SKILLS & ABILITIES

RESEARCH INTERESTS

- Analog devices; Audio filtering; Energy scavenging; Machine learning

PROGRAMMING

- Proficient in a wide array of environments from Windows 98 and newer, Linux 2.4 (primarily Debian) and newer
- Project experience in: C, C++, Python, Java, MATLAB, and SPICE among others
- Eight years of Cadence (Virtuoso, Spectre, Layout XL, etc.) experience in an academic setting

LANGUAGE

- Fluent in English and Japanese, both written and spoken

EXPERIENCE

RESEARCH ASSOCIATE | ADAPTIVE INTEGRATED MICROSYSTEMS LABORATORY | 2010 - CURRENT

- Supervised by Prof. Shantanu Chakrabartty

PROFESSIONAL AIDE | MICHIGAN STATE UNIVERSITY | 2015 - 2018

- Collaborative work on projects with Prof. Arun Ross and Prof. Nizar Lajnef

GRADUATE RESEARCH FELLOW | NATIONAL SCIENCE FOUNDATION | 2013 - 2018

GRADUATE FELLOW | MICHIGAN SPACE GRANT CONSORTIUM | 2012 - 2015

POST DOCTORAL STRATEGIC FELLOW | JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE | 2014

- Completed under Prof. Toshihiko Yamasaki at The University of Tokyo

PROFESSIONAL ACTIVITIES

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

- Authored 12 publications and reviewer for several dozen submissions
- SEM: Chair 2014-2015 Education Society, Various Officer positions 2013-2018 in Education, YP, and CAS Societies
- Graduate Advisor 2012-2015 (Michigan State University Student Branch), 2010-2015 (HKN Gamma Zeta Chapter)