JASON GALLAGHER

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EDUCATION

Johns Hopkins University — Baltimore, MD
B.S. Computer and Electrical Engineering, Applied Mathematics and Statistics — May 2015
Cumulative GPA: 3.85

EXPERIENCE

Grassroots Unwired — Bristol, PA
Lead Android Developer — September 2016–present
Split time among implementing new features, improving existing architecture, and overseeing a team in planning development to meet requirements. Some highlights include, implementing an automatic application update system to ensure clients always have the latest release, incorporating Dagger 2 dependency injection library to help improve existing architecture, and driving the development of a generic API to process in-app payments from different payment providers.

Vanik Interactive — Cherry Hill, NJ
Lead Android Developer — July 2015–September 2016
Lead several successful application releases on the Google Play Store and iOS app store. Worked as sole Android developer for Philadelphia Zoo's new mobile application – Zoo360insider. Worked on full application stack, including databases, backend, API development, user interface, and mobile client implementations.

JHU– Dept. of Geography and Environmental Engineering — Baltimore, MD
Research Assistant / Programmer — Sept 2014–May 2015
Designed custom hardware and software used for water and sanitation monitoring. Focused on building an open source, low-cost device to provide accurate turbidity measurements. Developed Android application using camera, and image processing to extract particle density information from water in a cuvette. Coded microcontrollers, primarily in C++, to interface with sensors to collect data for processing and displaying to end user.

Lockheed Martin — Moorestown, NJ
Summer Engineering Intern — May 2014–Aug 2014
Wrote code in MATLAB and C++ to simulate and verify output of signal processing algorithms used in radar applications. Wrote interface to tie together input and output of individual algorithms for use in a unified, modular test suite.

ACTIVITIES AND AWARDS

- **Charles A. Conklin Award** – awarded by the Johns Hopkins University Electrical and Computer Engineering department to recognize a senior for superior academic achievement
- **William H. Huggins Award** – awarded by the Johns Hopkins University Electrical and Computer Engineering department to recognize a junior for outstanding academic achievement and service
- **University of Pennsylvania Veterinary Innovation Challenge 3rd Prize** – "Hush Puppy" an automated, positive reinforcement based device used to train bark inhibition in dogs