



Jack Bandy

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Experience

GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF KENTUCKY – LEXINGTON, KY – 2016 - PRESENT

Applying machine learning to identify ink in microCT scans of ancient scrolls. Research team comprises graduate and undergraduate students. *Advisor: Dr. Brent Seales.*

SOFTWARE DEVELOPMENT INTERN, LEGIT APPS LLC – LEXINGTON, KY – SUMMER 2017

Worked on a small team in a scrum-style environment to produce, publish, and maintain mobile applications on both iOS and Android.

RESEARCH ASSISTANT – CHARLOTTE, NC – SUMMER OF 2015 & 2016

National Science Foundation's Research Experience for Undergraduates. Programmed in UNC Charlotte's Wireless Networking & Sensing lab, resulted in IEEE publication: "Demonstrating HighFiveLive." *Advisor: Dr. Jamie Payton.*

STUDENT TECHNICIAN, WHEATON COLLEGE I.T. SUPPORT – WHEATON, IL – 2013 - 2016

Part-time work during the school year at Wheaton College's Academic and Institutional Technology help desk, providing customer support to students, faculty, and staff. Involves solving technology-related issues of nearly any kind.

VOLUNTEER iOS DEVELOPER – WHEATON, IL – SUMMER OF 2015 - MAY 2016

Maintainer of Wheaton App for iOS and Android, including support of a MEAN stack server. The app retains 1,500 active users.

SCIENTIFIC COMPUTING ASSISTANT – WHEATON, IL – SUMMER OF 2014

Supported implementation of a scientific computing cluster built from spare desktop computers. Implemented configuration management software CFEngine in a laboratory of 25 linux-based computers.

FARMER'S MARKET CHEESE CURD FRY COOK – WHEATON, IL – SUMMER OF 2014

Crafted the most delicious cheese curds east of the Mississippi River, pleasing laymen and connoisseur alike while maintaining unprecedented customer retention.

Education

2016 - 2018

University of Kentucky (M.S. Computer Science) | 3.67 | *in progress*

2013 - 2016

Wheaton College, IL (B.S. Computer Science) | 3.68 | *cum laude*

Recognitions

WHEATON COLLEGE DEAN'S LIST, 2013-2016

Given to students achieving a GPA of 3.5 or higher in a given semester.

2013 NATIONAL MERIT FINALIST

Approximately 15,000 nation-wide Semifinalists advance to Finalist. Criteria include: SAT score, academic record, and recommendation by high school official.

SALUTORIAN, WEST JESSAMINE HIGH SCHOOL CLASS OF 2013

Based on 4-year cumulative GPA, class size 240 students.

2013 NATIONAL AP SCHOLAR

Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams.

2012 KENTUCKY GOVERNOR'S SCHOLAR (GSP)

Approximately 1,000 high school students in Kentucky are chosen once a year for GSP. Criteria include: academic achievement, extracurricular activities, community service.

Published Work

PRESENTATIONS & PAPERS

- "Automation Moderation: Finding symbiosis with anti-human technology" (*paper, selected as winner of the ACM SIGAI Student Essay Contest on the Responsible Use of AI, to appear in ACM's "AI Matters" newsletter*)
- "Recognizing Social Hand Gestures from a Wrist-worn Accelerometer" (*poster*)
- "Demonstrating HighFiveLive: A Mobile Application for Recognizing Symbolic Gestures" (*presented in the demonstrations track at IEEE PerCom 2016*)
- "Feature Enhancement Within Volumetric Imagery via Machine Learning" (*forthcoming*)

Community Service

WHEATON COLLEGE STUDENT GOVERNMENT – 2015-2016

Elected class president at Wheaton College. Met weekly with school administration and student government board. Projects included: aiding in the selection and hiring process for the academic dean, transitioning to paperless class registration, bolstering support for the Wheaton App, and more.

LEXINGTON CARNEGIE CENTER TUTORING – SUMMER 2017 - PRESENT

Weekly tutoring sessions with underserved students in the Lexington community. Tutors help "inspire love for learning" as well as cultivate community appreciation in students.

Professional Competencies

PROGRAMMING LANGUAGES

- Java & JUnit testing (*very comfortable*)
- Python (*very comfortable*)
 - TensorFlow (*comfortable*)
- C (*comfortable*)
- HTML & JavaScript (*comfortable*)
- Objective-C (*comfortable*)
- Swift (*comfortable*)

PROGRAMMING TOOLS & ENVIRONMENTS

- Bash Terminal / Linux / vim (*very comfortable*)
- Eclipse (*very comfortable*)
- AndroidStudio (*comfortable*)
- Mac OS / Xcode (*comfortable*)
- Windows / VisualStudio (*ew, gross*)