



Jack Bandy

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Education

2016 - 2018

Northwestern University (Ph.D. Computer Science, Communication) | 4.00 | *in progress*

2016 - 2018

University of Kentucky (M.S. Computer Science) | 3.80

2013 - 2016

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

2009 - 2013

West Jessamine High School | 4.00 | *salutatorian*

Research and Professional Experience

PHD STUDENT, NORTHWESTERN UNIVERSITY – EVANSTON, IL – 2018 - PRESENT

Studying the effect of computation on society. Currently investigating algorithmic news aggregators in the Computational Journalism Lab. *Advisor: Dr. Nicholas Diakopoulos.*

GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF KENTUCKY – LEXINGTON, KY – 2016 - 2018

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

SOFTWARE DEVELOPER, LEGIT APPS LLC – LEXINGTON, KY – SUMMER 2017

Working 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.

Publications

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*)
- "Feature Enhancement in CT Datasets through Machine Learning" (*paper, in review*)
- "Recognizing Social Hand Gestures from a Wrist-worn Accelerometer" (*poster*)
- "Demonstrating HighFiveLive: A Mobile Application for Recognizing Symbolic Gestures" (*paper accepted to demonstrations track of IEEE PerCom 2016*)

Awards & Recognitions

ACM SIGAI STUDENT ESSAY CONTEST WINNER, 2017

Selected as winner of the ACM SIGAI Student Essay Contest on the Responsible Use of AI Technologies.

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.

SALUTATORIAN, 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

Approximately 1,000 students are chosen for the Governor's Scholars Program. Criteria include: academic achievement, extracurricular activities, community service.

Community Service

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.

WHEATON COLLEGE STUDENT GOVERNMENT – 2015-2016

Elected class president at Wheaton College. Met weekly with school administration and student government board. Led a team of ten classmates to serve and represent our graduating class. Projects included: aiding in the selection and hiring process for the academic dean, transitioning to paperless class registration, bolstering support for the Wheaton App, event planning and programming with the career center, and more.

WHEATON COLLEGE “GoGuide” – 2014

Led a team of freshman students on a community service project as part of their orientation program. We distributed and collected voter registration forms in underrepresented areas of Chicagoland.

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*)
- AndroidStudio (*comfortable*)
- Mac OS / Xcode (*comfortable*)
- Windows / VisualStudio (*ew, gross*)