

## Jerry Ajay

---

### CONTACT INFORMATION

301B, Davis Hall,  
University at Buffalo,  
Amherst, NY – 14260

☎ 716-780-3164  
✉ [jerryant@buffalo.edu](mailto:jerryant@buffalo.edu)

### RESEARCH INTERESTS

Mobile Computing, Networks.

### EDUCATION

*University at Buffalo, USA.*

2013 - 2015

- M.S. in Computer Science & Engineering
- Advisor: [Dr. Geoffrey Challen](#)

*Bangalore University, India.*

2009 - 2013

- B.E. in Computer Science & Engineering

### PUBLICATIONS

- [1] Geoffrey Challen, **Jerry Ajay**, Nick DiRienzo, Oliver Kennedy, Anudipa Maiti, Anandathirtha Nandugudi, Sriram Shantharam, Jinghao Shi, Guru Prasad Srinivasa, and Lukasz Ziarek, “maybe We Should Enable More Uncertain Mobile App Programming”, Proceedings of the 16th Workshop on Hot Topics in Mobile Computing Systems and Applications (HotMobile’15).
- [2] Rizwana Begum, Guru Prasad Srinivasa, David Werner, **Jerry Ajay**, Geoffrey Challen, Mark Hempstead, “Energy-Performance Trade-offs on Energy-Constrained Devices with Multi-Component DVFS”, To appear in Proceedings of the 2015 IEEE International Symposium on Workload Characterization (IISWC’15).
- [3] Yen-Lung Lin, Pavlos Pavlidis, Emre Karakoc, **Jerry Ajay**, Omer Gokcumen, “The evolution and functional impact of human deletion variants shared with archaic hominin genomes”, Molecular Biology and Evolution 2015.

### INTERNSHIPS

**Organisation :** HP Labs, Palo Alto, USA, Summer 2015.  
Key Learnings : Architecture of Bluetooth Low Energy.

**Organisation :** CrowdBouncer Inc., Buffalo, USA, Summer 2014.  
Key Learnings : Web development in Drupal.

**Organisation :** Cognizant Technology Solutions Corp., India, Spring 2013.  
Key Learnings : Application development in Visual Studio.

### TEACHING ASSISTANTSHIPS

Introduction to Operating Systems (CSE-521), Fall 2014.

### RESEARCH ASSISTANTSHIPS

PhoneLab - [Dr. Geoffrey Challen](#), Spring 2014.

NOTABLE  
PROJECTS

**Title :** Peer-to-Peer Communication Network.  
Duration : Spring 2014.

**Title :** Real-time Android patch on Snapdragon APQ8074.  
Duration : Spring 2014.

**Title :** Prison Management System.  
Duration : Spring 2010.

IT FORTE

**Programming Languages :** *C, Java, Python, C++ , C#.*

**Scripts :** Bash Shell, C Shell, Awk, Sed, Perl.

**Tools Extensively Used :** Eclipse IDE, Keil, GDB, MATLAB, MySQL, L<sup>A</sup>T<sub>E</sub>X.

**Other Tools :** Doxygen, SWIG, Git, Rsync, JIRA.

**Web Technologies :** HTML, PHP, Javascript, CSS, XML, XQuery, Ajax, JSP.

**Operating Systems :** Linux, Windows, Android.

**Others :** Android Programming, Embedded C, Socket Programming, Bluetooth Low Energy.

ACTIVITIES AND  
RECOGNITION

- Media Coverage: [The evolution and functional impact of human deletion variants shared with archaic hominin genomes.](#)
- Reviewer for Transaction on Mobile Computing.
- Recipient of a \$700 travel grant - HotMobile 2015.
- Member of a team that stood 21<sup>st</sup> in India at the IEEE Xtreme 6 coding contest.
- Represented a team which ranked in the top 1% in IBM's "The Great Mind Challenge".

REFERENCES

**Geoffrey Challen**

Assistant Professor

Department of Computer Science and Engineering,

University at Buffalo

Email: [challen@buffalo.edu](mailto:challen@buffalo.edu)