

Jerry Ajay

CONTACT INFORMATION

Davis 340, Dept. of Computer Science and Eng.,
The State University of New York at Buffalo
NY 14226, USA.

☎ (+1) 716-780-3164
✉ jerryant@buffalo.edu
🌐 www.buffalo.edu/~jerryant

RESEARCH INTERESTS

Smart Rehabilitation, Computer Systems, Augmented Reality, Biostatistics.

EDUCATION

The State University of New York at Buffalo, USA. 2015 - Aug 2019 (anticipated)

- Doctorate of Philosophy in Computer Science & Engineering.
- Advisor: Dr. Wenyao Xu

The State University of New York at Buffalo, USA. 2013 - 2015

- Master of Science in Computer Science.

Bangalore University, India. 2009 - 2013

- Bachelor of Engineering in Computer Science.

PUBLICATIONS

- [1] **Jerry Ajay**, Chen Song, Aosen Wang, Jeanne Langan, Zhinan Li, and Wenyao Xu, “*A Pervasive and Sensor-Free Deep Learning System for Parkinsonian Gait Analysis*”, Biomedical and Health Informatics (**BHI 2018**), Las Vegas, USA.
- [2] **Jerry Ajay**, Chen Song, Aditya Singh Rathore, Chi Zhou, and Wenyao Xu, “*3DGates: An Instruction-Level Energy Analysis and Optimization of 3D Printers*”, Architectural Support for Programming Languages and Operating Systems (**ASPLOS 2017**), Xi'an, China.
- [3] Feng Lin, **Jerry Ajay**, Jeanne Langan, Lora Cavuoto, Ifeoma Nwogu, Heamchand Subryan, and Wenyao Xu, “*A Portable and Cost-Effective Upper Extremity Rehabilitation System for Individuals with Upper Limb Motor Deficits*”, Wireless Health (**WH 2016**), Bethesda, USA.
- [4] **Jerry Ajay**, Aditya Singh Rathore, Chen Song, Chi Zhou, and Wenyao Xu, “*Don't Forget Your Electricity Bills!: An Empirical Study of Characterizing Energy Consumption of 3D Printers*”, Asia-Pacific Workshop on Systems (**APSys 2016**), Hong Kong, China.
- [5] Oliver Kennedy, **Jerry Ajay**, Geoffrey Challen, and Lukasz Ziarek, “*Pocket Data: The Need for TPC-MOBILE*”, Transaction Processing Performance Council Technology Conference (**TPCTC 2015**), Maui, USA.
- [6] Geoffrey Challen, **Jerry Ajay**, Nick DiRienzo, Oliver Kennedy, Anudipa Maiti, Anandathirtha Nandugudi, Sriram Shantharam, Jinghao Shi, Guru Prasad Srinivasa, Lukasz Ziarek, “*maybe We Should Enable More Uncertain Mobile App Programming*”, Workshop on Mobile Computing Systems (**HotMobile 2015**), Santa Fe, USA.
- [7] Yen-Lung Lin, Pavlos Pavlidis, Emre Karakoc, **Jerry Ajay**, and Omer Gokcumen, “*The Evolution and Functional Impact of Human Deletion Variants shared with Archaic Hominin Genomes*”, Molecular Biology and Evolution (**MBE Journal, Jan. 2015**).

INTERNSHIPS

Research Intern

HPE Labs - Summer 2015, Palo Alto, USA. (Mobility & Networking Group)

Project : Seamless migration of Bluetooth Low Energy connections in wearables.

Mentors : Shahriar Nirjoin and Kyu-Han Kim

Software Development Intern

Crowdbouncer Inc. - Summer 2014, Buffalo, USA.

Project : Webpages for a real estate website.

Technologies : Drupal.

Software Development Intern

Cognizant Technology Solutions - Spring 2013, Chennai, India.

Project : A gamified travel booking app.

Technologies : Microsoft Visual Studio, Javascript.

- ACCOMPLISHMENTS
- Best Poster runner-up (Networking in Ageing of Western New York 2018).
 - Best Poster Award - 3rd place (BHI 2018).
 - 2nd place in Hardware Design Contest (DAC 2017).
 - Travel grants to ASPLOS 2017, DAC 2017, HotMobile 2015, and BHI 2018.

POSITIONS

Teaching Assistant: Realtime Embedded Systems (*during 1st year PhD*)
Research Assistant: Embedded Sensing and Computing Lab, SUNY Buffalo.
Summer Instructor: Introduction to Operating Systems (*summer '18*)

IT FORTE

Languages: *Python, Matlab, L^AT_EX.*
Editors: vim, PyCharm, Jupyter Notebook.
Operating Systems: *Linux*(for development), *Windows*(for writing and illustration).

- REFERENCES
- Advisor - Dr. **Wenyao Xu**, Associate Professor, Dept. of Computer Science and Eng., The State University of New York at Buffalo, USA.
 - Dr. **Jeanne Langan**, Assistant Professor, Dept. of Rehabilitation Science, The State University of New York at Buffalo, USA.
 - Dr. **Chi Zhou**, Assistant Professor, Dept. of Industrial and Systems Eng., The State University of New York at Buffalo, USA.