

# Brandon Amos

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## Research Interests

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Machine learning, mobile computing, and distributed systems.

## Education

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- Ph.D. Student, Computer Science, Carnegie Mellon University, Aug 2014–Present
- B.S., Computer Science, Virginia Tech, May 2014 (3.99/4.00)

## Research Experience

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- Research Assistant, Carnegie Mellon University Aug 2014–Present
  - **Advisor:** Dr. Mahadev Satyanarayanan
  - **Area:** Machine learning, mobile computing, and distributed systems.
- Undergraduate Research Assistant, Magnum Research Group May 2012–May 2014
  - **Advisor:** Dr. Jules White
  - **Area:** Mobile computing, cyber-physical systems, and security.
- Undergraduate Research Assistant, Virginia Tech Jan 2013–May 2014
  - **Advisor:** Dr. Layne Watson
  - **Area:** Scientific computing, global/stochastic optimization, and bioinformatics.
- Undergraduate Research Assistant, Systems Software Research Group Nov 2012–Mar 2014
  - **Advisor:** Dr. Binoy Ravindran
  - **Area:** Heterogeneous compilers.

## Teaching Experience

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- Software Design and Data Structures (CS 2114), Undergraduate TA VT S2013

## Publications

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Conference Proceedings.....

Journal Articles.....

Magazine Articles.....

## Industry Experience

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- Data Scientist Intern, Adobe Research May 2014–Aug 2014
- Software Engineer Intern, Snowplow Analytics Dec 2013–Jan 2014
- Software Engineer Intern, Qualcomm May 2013–Aug 2013
- Software Engineer Intern, Phoenix Integration May 2012–Aug 2012

◦ Network Administrator Intern, Sunapsys

Jan 2011–Aug 2011

## Graduate Coursework

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- Semantics of Programming Languages (15-812), A. Platzer CMU S2015
- Optimizing Compilers for Modern Architecture (15-745), T. Mowry CMU S2015
- Advanced Operating Systems and Distributed Systems (15-712), D. Andersen CMU F2014
- Mobile and Pervasive Computing (15-812), M. Satyanarayanan and D. Siewiorek CMU F2014

## Skills

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- Most Experience: Linux, Python, Scala
- Some Experience: Akka, Android, Bash, C/C++, Haskell,  $\LaTeX$ , Make, *Mathematica*, R

## Honors & Awards

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- 1st Place Undergraduate Senior Capstone Award, Virginia Tech Computer Science 2014
- David Heilman Research Award, Virginia Tech Computer Science 2014
  - Given to the Computer Science student with the most outstanding research experience.
- Senior Scholar Award, Virginia Tech Computer Science 2014
  - Given to the senior in Computer Science with the most outstanding academic record.
- Honorable Mention, CRA Outstanding Undergraduate Researcher Award 2014
- Awarded eight undergraduate merit scholarships 2011–2014