

# Austin Kemper

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<https://austinkemper.github.io>

## EDUCATION

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The Johns Hopkins University Baltimore, MD  
Double major in Computer Science and Applied Mathematics & Statistics  
Expected Graduation May 2018  
Deans List Award (Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016)  
GPA: 3.91

## RESEARCH & WORK EXPERIENCE

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Teaching Assistant, Introduction to Programming in Java, September 2016 – Present

- Taught a hands-on lab session to 40 students once a week.
- Graded 20 problem sets a week. Held office hours for two hours each week. Answered many questions about the fundamentals of object-oriented programming.

Research Assistant, Professor Steve Hanke, The Institute for Applied Economics, May 2016 – Present

- Developed a website for the Hanke-Henry Permanent Calendar: an alternative to the Gregorian calendar that would increase economic efficiency. Used HTML, CSS, JavaScript, and AWS.
- Generated over 1,500 charts for a report on the timeliness of data reported to the International Monetary Fund, using a Python data analysis stack.

Research Assistant, Johns Hopkins Medicine, September 2014 – September 2016

- Assisted Dr. Robert Weiss with data management for two medical studies regarding coronary artery disease and HIV.
- Managed the digitization and quality control of medical data for 20 patients over 28-week longitudinal studies.

## ACTIVITIES & HONORS

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Android Developer, January 2016 – Present

- Developed and published four Android applications. Gained experience in the Android environment, mobile development, and Google Analytics.
- Developed simple artificial intelligence using the Minimax algorithm.
- Used the libGDX gaming framework for two of the applications for enhanced graphics and collision detection.

Club Racquetball, Founder, President, September 2014-Present

- Founded the club with four friends and recruited 20 members.
- Led meetings and internal competition including games, tournaments, and a club ladder.

Eagle Scout Award, Boy Scouts of America, (2012)

CPR and First Aid Certified, American Red Cross

## SKILLS

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Proficient in Java, Unix

Working knowledge in C, C++, Python, Android applications, HTML/CSS, JavaScript, MATLAB, libGDX, Matplotlib, pandas, Git, AWS, JUnit