

# Aaron J. Kramer

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Address: 225 Kimbel Drive, Phoenixville, PA 19460

## EDUCATION

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### University Of Maryland, College Park

- Junior, Class of 2017
- B.S. Computer Engineering
- GPA: 3.80
- Honors College: Digital Cultures and Creativity
- RISE Leadership Program

## HONORS

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Eagle Scout  
UMD President's Scholarship  
Dean's List  
IEEE Member

Primanumm National Honor Society  
National Merit Scholar  
National AP Scholar

## WORK EXPERIENCE

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### Software Engineering Intern – Texas Instruments, Summer 2015

- Worked on a team in TI's wireless connectivity division developing embedded software
- Developed Zigbee RF4CE protocol dissector for open source network protocol analyzer 'Wireshark'
- Migrated team's projects to new compiler/IDE
- Performed testing using the Beaglebone Black, Python, and a logic analyzer to analyze speed and reliability

### Laboratory Teaching Fellow (LTF) – University of Maryland, Fall 2014-Present

- Develop class content - demonstrations of electronic sensors/actuators and circuits
- Course involves teams of students designing and building an autonomous Over Sand Vehicle
- Manage 10+ 3D printers, CV vision system for course, and lab tools
- 10-12 hours/week

## TECHNICAL EXPERIENCE

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**Languages:** C, Java, Python, Ruby, OCaml, Prolog, Verilog, Assembly, HTML, CSS, JavaScript

**Applications:** MATLAB, PSpice, 3D Modeling, IAR, CCS, Eclipse, Wireshark, Microsoft Office

**Workflow:** Git, SVN, JIRA, Agile

**Other:** 3D Printing, FPGA, Arduino, Beaglebone, Raspberry Pi, Linux/Windows/Mac

## LEADERSHIP

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### Hovercraft Competition – Fall 2013

- Electronics/Programming Group Leader
- Designed, built, & programmed an autonomous hovercraft
- Multidisciplinary team project: mechanics, electronics, programming, etc.

### Eagle Project – Summer 2012

- Bulletin board kiosk around 14' artificial bird chimney
- Coordinated and led ~15 scouts; collaborated with township and local businesses

## INTERESTS

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- Robotics; artificial intelligence; embedded software; drones/UAVs
- Music; soccer