

# Richard Cooke III

Email: [cookeiii@umich.edu](mailto:cookeiii@umich.edu)

[RichardCookeIII.com](http://RichardCookeIII.com)

Mobile: (248) 497-9346

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## Education:

University of Michigan – Ann Arbor

- GPA: 3.641
- BSE in Computer Science Engineering (Expected May 2016)

Programming Languages: C++/C/C#, Perl, Java, Matlab, Javascript, HTML, CSS, Objective-C, SQL

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## Professional Engineering Experience

Mobility Developer and Support at Boeing 2014

- Developed iOS and Android applications for use in manufacturing environment
- Analyzed current mobile platform deployments and possible improvements
- Collected product feedback and metrics later used to improve future implementations
- Developed app for Google-Glass-like technology with Wearable Computing team
- Coordinated regional technology fair
- Worked with customer to develop Critical Knowledge Capture app to aid program shutdown
- Appointed Head Intern Networking Coordinator for Southern California Region

Software Developer at ETAS/Bosch 2013

- Updated software driver to fit industry standard architecture
- Documented all updates and new functionality
- Presented new product to international corporate heads
- Created Perl scripts for automated data updates
- Awarded excellent marks on technical documentation and presentation skills

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## Engineering Experience:

UM::Autonomy 2014

- Designing new team website
- Worked on business team to secure funding
- Implemented refined navigation algorithms

Michigan Autonomous Aerial Vehicles (MAAV) 2012-2014

- Developed Height tracking algorithm
- Worked with team lead on imaging algorithm
- Analyzed existing navigation and computer vision algorithms

Remote Control Blimp Competition 2013

- Brought design from concept to fabrication
- Constructed all structures and propulsion system
- Documented each step in design and fabrication process
- Presented design to panel of experts and participated in competition (3<sup>rd</sup> Place)

Advanced Engineering 2011-2012

- Led team through engineering process (concept to fabrication) with original design
- Built off-road vehicle controllable through web browser with mounted-camera feed

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## Interests:

- Exploring embedded technologies and developing DIY home projects
- Expanding and refining front-end development skills