

# Benjamin ESPEY

## PERSONAL DATA

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## EDUCATION

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2014 - 2017 Bachelor of Science: Computer Science, **Rensselaer Polytechnic Institute, NY**  
In major GPA: 3.55 Current GPA: 3.47

## WORK EXPERIENCE

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JUNE 2016-PRESENT	<b>Lead Programmer at CIT, National Institutes of Health</b> Fully developed a gold-standard, open-source, research platform aimed at studying teen driving behavior. Built expandable frameworks and modern user interfaces using <i>Swift</i> and <i>XCode</i> for Apple's <i>iOS</i> platform. The app is staged to be alpha-released to 100 teen drivers.
SEPT 2015-PRESENT	<b>Undergraduate Mentor for RPI</b> Guide budding computer scientists in their quest to understand the changing digital world around them. I work with first year students, currently working in VB, helping them to grasp core programming concepts and practices.
NOV 2014-MAY 2015	<b>Tutor at InstaEDU / Chegg</b> Part time online tutor for computer science, math, and physics students.
MAY-JULY 2014	<b>Senior Programmer at Lehmann Systems, LLC</b> Worked with a small team to develop a GPS and accelerometer based ANDROID app for rowing coaches to track and communicate with their teams.
JUNE-AUG 2013	<b>National Institutes of Health</b> Developed an algorithm in MATLAB that worked to separate patients into lifestyle groups based on their brain activity collected through electroencephalography. Algorithm was successful in distinguishing a group of smokers from the control group.

## COMPUTER SKILLS

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Languages: Java, Swift, C++, C, Visual Basic.NET, VBA, Haskell, Javascript, Python,  $\text{\LaTeX}$ , HTML, CSS  
Platforms: iOS, ANDROID, Windows OS, Mac OS, LINUX, MIPS, ubuntu  
Software: Adobe Photoshop, Illustrator, Visual Studio, XCode, Trimble/Google Sketchup

## SCHOLARSHIPS AND CERTIFICATES

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2015-16 Rensselaer Dean's Honor List  
2014 National Merit Scholarship  
2014 Rensselaer Leadership Award

## INTERESTS AND ACTIVITIES

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<b>Interests</b>	Innovative technology, open-source, programming, Data Visualization, hackathons, Graphic Design, Reverse Engineering, Cryptography & Security, Machine Learning, team-oriented projects, solving puzzles, and learning new skills. Proficient in Chinese, Coxswain for state gold-medalist rowing team.
<b>Clubs:</b>	Rensselaer Center for Open Source, RPI Tespa ESports, RPISEC security club, Rensselaer Hackathon Organization.