

Benjamin ESPEY

PERSONAL DATA

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EDUCATION

2014 - 2017 Bachelor of Science: Computer Science, **Rensselaer Polytechnic Institute**, NY
GPA: 3.50

WORK EXPERIENCE

JUNE 2016-PRESENT	Lead Programmer at <i>CIT, National Institutes of Health</i> 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	Undergraduate Mentor for <i>RPI</i> 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	Tutor at <i>InstaEDU / Chegg</i> Part time online tutor for computer science, math, and physics students.
MAY-JULY 2014	Senior Programmer at <i>Lehmann Systems, LLC</i> 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	<i>National Institutes of Health</i> 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

Languages: Java, Swift, C++, C, Visual Basic.NET, VBA, Haskell, Javascript, Python, \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

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

INTERESTS AND ACTIVITIES

Interests	Innovative technology, open-source, programming, reverse engineering, cryptography & security, Data Visualization, hackathons, graphic design, machine learning, team-oriented projects, solving puzzles, and learning new skills. Proficient in Chinese, Coxswain for state gold-medalist rowing team.
Clubs:	Rensselaer Center for Open Source, RPI Tespa ESports, RPISEC security club, Rensselaer Hackathon Organization.