

Benjamin ESPEY

PERSONAL DATA

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EDUCATION

2014 - 2017 Bachelor of Science: Computer Science. Minor: Communication
GPA: 3.50 Rensselaer Polytechnic Institute, NY

WORK EXPERIENCE

JUNE 2016-PRESENT	Lead Programmer at CIT, National Institutes of Health 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 RPI 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 InstaEDU / Chegg Part time online tutor for computer science, math, and physics students.
MAY-JULY 2014	Senior Programmer at Lehmann Systems, LLC 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	National Institutes of Health 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, LINUX, Windows OS, Mac OS, 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	Open-source, reverse engineering, cryptography & security, graphic design, machine learning, puzzles, podcasts, 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.