

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

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| JUNE 2017-PRESENT | Emerging Tech. Sys. Engineer at MITRE Utilize my computer science background to bring a different skillset and perspective to MITRE's systems engineering team. Built applications for classroom environments and mobile patient care. |
| JUNE 2016-JUNE 2017 | 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-MAY 2017 | 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

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| 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. |