JACOB POMERANZ

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EDUCATION

Aug 2014 – Present	Rodman/Echols Scholar at University of Virginia (Bachelor's in Computer Science expected May 2017). Current GPA: 4.0
Sep 2012 – May 2014	New Horizon's Regional Governor's School for Science and Technology, Computer Science Strand (all classes dual-enrolled with Thomas Nelson Community College)

SKILLS

· Proficient in C/C++ and Java. Experience with x86 Assembly, Python, PHP, and JavaScript.
· Experience with SQL, Docker, AWS, MATLAB, and Nvidia CUDA.
· Experience with Git, SVN, Jira, and Confluence.
· Experienced in both Windows and Unix-like systems.

EXPERIENCE

May 2016 – Aug 2016	Computer Science Intern, *National Security Agency* · Underwent Agency Special Background Investigation and polygraph testing to hold TOP SECRET/SI/TK clearances. · Used Python, SQLite, and PostgreSQL to perform large-scale extraction, processing, and transformation of critical data. · Built several key database visualization tools using PHP, Ajax, and HTML/CSS. · Restructured development environment and automated tasks to increase efficiency and stability.
Mar 2015 – Sep 2015	Web Development Intern, *OpenGrounds at UVA* · Worked with a student design team and used technologies such as Python, Django, SQLite, and Bootstrap to create a novel research website for word-cloud generation.
Aug 2013 – May 2014	New Horizons GSST Mentorship, *Thomas Jefferson National Accelerator Facility* · Worked with Dr. David Lawrence to create an improved charged particle tracking program using C++ and Nvidia CUDA for the GlueX experiment · Presented my research to receive the GSST Outstanding Research award.
Jun 2013 – Jul 2013	US Department of Energy Internship, *Thomas Jefferson National Accelerator Facility* · Independently set up an open-source monitoring and management infrastructure (Nagios). · Installed and managed computer hardware throughout the lab. · Coded various plugins and scripts using C and Bash.