resume\_57@gmail.com  
789.113.5980  
Joseph Lea  
Undergraduate Research Assistant - Research in Microchip Manufacturing  
Pawlet VT - Email me on Indeed: indeed.com/r/Joseph-Lea/c477339a8e1291e9  
Willing to relocate: Anywhere  
Authorized to work in the US for any employer  
WORK EXPERIENCE  
Undergraduate Research Assistant  
Research in Computational Genomics - August 2016 to Present  
 Currently working to find functional relationships between environmental data and genomic information at the base pair level  
 Translating previously created scripts from C++ to R  
Undergraduate Research Assistant  
Research in Microchip Manufacturing - February 2016 to Present  
 Implementing predictive analytics on trace data collected during the epitaxial process to identify potentially malfunctioning chips  
 Working to adapt the control system to find problems as they occur rather than post-production  
Intern in Data Analysis  
Allen Institute for Brain Science - June 2016 to August 2016  
 Developed a system for mapping genomic data between electrophysiological and transcriptomic modalities that is now being applied to current research  
 Networked across research teams to impact as many ongoing projects as possible  
 Worked alongside both lab and computational scientists to develop an understanding of both the collection and uses of RNAseq data  
Undergraduate Research Assistant  
Research in Computational Neuroscience RPI - June 2014 to August 2014  
 Partnered with RPI professors and the Neural Stem Cell Institute to investigate stem cell data Created a model for temporally ordering frontal lobe brain cell development  
EDUCATION  
B.S. in Mathematics of Operations Research  
Rensselaer Polytechnic Institute - Troy NY May 2017  
SKILLS  
R (2 years) Microsoft Office (5 years) Data Analysis (2 years)  
ADDITIONAL INFORMATION RELATED SKILLS  
   
 Proficient in R Microsoft Office and Matlab Experience in Python and SQL