

# ryangrose

aspiring software engineer

## contact

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Washington

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**in**

## programming

java  
matlab  
python  
git  
C/C++  
basic web dev

## languages

english  
swedish -  
(limited proficiency)

## interests

machine learning, artificial intelligence, software correctness, linux, simplicity

## education

- 2014-2017 **University of Washington** Paul G. Allen School of Computer Science  
Bachelor's in Computer Science with Data Science option; Swedish minor
- 2016-2017 **Kungliga Tekniska Högskolan** Royal Institute of Technology  
Selected for one year exchange program with Stockholm's technical university

## projects

- jan 2017 **Data Denoising** Team Research Project  
*Developed a Kernel PCA denoiser and compared effectiveness of different kernels in character recognition*
- fall 2016 **Chess AI Search Depth** Team Research Project  
*Implemented & compared tree search techniques to improve performance of chess playing ai*
- spring 2015 **Facial Recognition** Class Project  
*Implemented a Matlab program to recognize faces based off the eigenfaces method*

## coursework

- fall 2017 **Systems Programming** University of Washington  
*Low-level programming; memory management; operating-system services*
- spring 2017 **Database Technology** Kungliga Tekniska Högskolan  
*Relational databases (SQL), their operations, and applications*
- spring 2017 **Software Reliability** Kungliga Tekniska Högskolan  
*Testing methods, models, and frameworks*
- winter 2017 **Computer Security** Kungliga Tekniska Högskolan  
*Learned to assess and take action against common security threats*

## experience

- sum 2015 **IT Intern** Benefit Solutions Inc  
Analyzed and addressed technical concerns of call center employees. Guest security cards were regularly lost so after discussing with my boss, I developed an android app for check-in tracking and notification.
- 2013-2014 **Computer Science TA** Kamiak High School  
Taught introductory computer science to high schoolers alongside industry professionals (TEALS program).