

ryangrose

aspiring software engineer

contact

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in

programming

python + django
vuejs + bootstrap
java
C/C++
matlab
git

languages

english
swedish -
(limited proficiency)

education

- 2014-2018 **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
Experience with low-level data representation (e.g., C and C++); explicit memory management; interacting with 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

- win 2018 **Software Engineering Intern - Full Time** Kernel Labs
Independently prototyped and built authorization webapp from conception to deployment and marketing using django, nginx, jquery, and trustedkey.
- 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).

