ryangrose

aspiring software engineer

contact

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in

programming

java
matlab
python
git
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

spring 2017 **Database Technology** — Kungliga Tekniska Högskolan
Relational databases, 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

spring 2016 **Software Design & Implementation** — University of Washington
Techniques for the construction of reliable and maintainable software systems

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).