# ryan**grose**

aspiring software engineer

## contact

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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 | **Data Visualization** | University of Washington |
| | *Techniques for creating effective visualizations of data* | |
| winter 2017 | **Machine Learning Advanced** | Kungliga Tekniska Högskolan |
| | *Models of learning/inference and the mathematics behind them* | |
| 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* | |

## 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). | |