ryan**grose**

data driven software engineer

education

UW CS 2018
Data Science
GPA: 3.7

Year abroad:
Stockholm, Sweden

programming

python + django
vuejs/React
Idyll/D3
git
Haskell
java/C/C++

contact

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experience

spring 2018	**Software Engineering Intern - Part Time**	Kernel Labs

Using Django Rest Framework built object/entry modeling API for legal disclosure webapp (asidero.com). Created VueJs admin site template with automated deployment on AWS (for internal use).

win 2018	**Software Engineering Intern - Full Time**	Kernel Labs

Independently prototyped and built authorizing consent webapp from conception to deployment and marketing. Built 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).

projects

spring 2018	**Image Filter Lesson**	Idyll Gallery Examples

Using Idyll, a language for data visualization combining React, Markup, and D3, created a lesson to teach how image filters work. It is currently listed as an example on the language's gallery.

spring 2018	**easy pandoc templates**	Personal Project

Created, curated, and modified pandoc templates for easy use from anywhere. Instantly converts many document formats (markdown, latex, etc) to html or pdf with dropin abilities in vim.

jan 2017	**Data Denoising**	Team Research Project

Developed a Kernel PCA denoiser and compared different kernel functions in character recognition

fall 2016	**Chess AI Search Depth**	Team Research Project

Implemented & compared tree search techniques to improve the performance of chess playing ai

spring 2015	**Facial Recognition**	Class Project

Using the eigenfaces method, implemented a Matlab program to recognize faces.

-	**Relevant Coursework**	

Advanced Machine Learning, Artificial Intelligence, Software Testing and Reliability, Data Visualization, Database Systems, Algorithms