

erikreppel

student & developer

contact

(250) 580-3013
erikreppel.com
ereppeld@uvic.ca
LinkedIn: erikreppel
github.com/erikreppel

proficient

Python, Go, JavaScript

working knowledge

Scala, Java, C

technologies

Pachyderm, Hadoop,
Spark, Kafka,
Kubernetes, gRPC,
NodeJS, Flask,
SocketIO, React,
AWS, ElasticSearch,
Git, MongoDB

frameworks

Numpy, Pandas,
Sci-Kit Learn,
TensorFlow

education

2013–present **B.Sc.** Computer Science

University of Victoria

2015–present **Machine Learning Specialization**

University of Washington (Coursera)

experience

03–08 2016 **General Fusion**

Software Engineering Intern

Aided in architecting and implementing of big data infrastructure to process, version, store, and make available hundreds of terabytes of experimental physics data. Wrote microservices to parse legacy data into new form, and insert into Pachyderm. Built API for users to search and access experimental physics data with minimal latency. Helped design processing DAG of physics data in map/reduce paradigm.

01–08 2015 **Intuitive Surgical**

Software/Data Engineering Intern

Contributed to web apps for internal data viewing. Created real time updating graph of components in a daVinci with D3, NodeJS, and websockets. Prototyped pivoting existing pieces of infrastructure to a proposed Hadoop/Spark based stack. Built concurrent Kafka consumer in Scala with Akka, improving performance 500x from Python predecessor.

projects

2016 **OpenBus**

NodeJS, Cordova, SocketIO, Google Maps API

Crowd sourced bus locations from other app users. Web and mobile app with real-time updating map.

2016 **Search Economist**

Python, React

Scrapes the web for information pertinent to the world of executive search and attempts to derive actionable insights into the current market.

2015 **NBA Stats**

Python, Pandas

Parses the nba.com stats website and provides an easy way to explore player data.

extracurricular

2016-present **UVic Machine Learning Club**

Executive Technical Lead

Organize machine learning and software development workshops: Intro to Regression, Logistic Regression, K-Nearest Neighbor vs Logistic Regression.

2015-present **UVic Web Development Club**

Co-President and Technical Presenter

Organize events and lead workshops: Intro to JavaScript, Building a Chat App with websockets, Building a Twitter clone.

2016 **Hack Victoria**

Lead Organizer

24 hour hackathon focused on building tech to improve the community. Hosted 20 teams, 60 participants, and over \$2000 in prizes.