

Paul Gerlich

Software Engineer

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Find a plethora of hacks and projects on my github or personal website.



Work Experience

Software Engineer

Workiva

- Develop front end UI components in our Dart leveraging React/Flux
- Contribute to our Python micro-service which connects the UI to the data layer
- Perform graph data migrations on massive data sets in Java
- Work on an agile team in an incredibly fast paced environment, with multiple daily production deploys
- Thoroughly unit, functional, and integration test code to ensure the highest standards of code quality

Research Assistant - Data mining

Iowa State University

- Scraped data from sources such as Twitter, the USPTO, and TripAdvisor using Python and BeautifulSoup
- Performed machine learning analysis on crawled data with Word/Doc-2-vector and TensorFlow

Android Developer, Founder

TabSaver, LLC

- Designed and developed massive Android application, integrating analytics for business intelligence services
- Created dashboard to manage customer data and gain insight on application usage
- Achieved 5000 downloads in the Google Play/Apple App store



Education

Iowa State University

B.S. Software Engineering

GPA 3.50



Projects

Diabetic Retinopathy Detection

Senior Design

We experimented with various machine learning algorithms to identify Diabetic Retinopathy in high resolution images of Retinas.

CyDriver

Hack ISU

In 36 hours we made an RC car from a raspberry pi which fed a live video feed to a convolutional neural network built in TensorFlow. This CNN was used to navigate an obstacle course.



Languages & Frameworks

Dart



Python



React + Flux



HTML/CSS



Javascript



Java



AWS



Jan 2016 - present

Aug 2015 - May 2016

Jan 2015 - Jun 2017

Aug 2012 - Dec 2016

Aug 2015 - May 2016

Feb 2016