Liam Niehus-Staab

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Education

Grinnell College   *Grinnell, IA*
BACHELOR OF ARTS   *Expected Graduation 2020*

- GPA: 3.66
- Computer Science Major
- Deans list Spring and Fall 2016

Experience

Head of Android Development   *Grinnell, IA*
GRAMMIEGRAM LLC   *August 2018 - Present*

- Lead a team of three in creating the GrammieGram Android app and integrating it with the rest of our platform.
- Developed in an agile environment using a test driven approach

AppDev Junior Engineer   *Grinnell, IA*
APPDEV GRINNELL   *January 2018 - Present*

- Developed the Grinnell Directory Android application
- Gained experience writing tests using JUnit and Espresso

Research Assistant   *Grinnell, IA*
UNDERGRADUATE RESEARCH PROJECT, IMAGE SYNTHESIS FOR MACHINE LEARNING   *June-August 2018*

- Developed a program to generate synthetic training data for a text recognizing CNN.
- Training the neural network on data from our synthetic data generator improved performance over training on industry standard scene text data sets.
- See the research code at https://github.com/niehusst/MapTextSynthesizer

Co-Founder and Full Stack Developer   *Grinnell, IA*
GRAMMIEGRAM LLC   *April-August 2018*

- Developed the backend for user preferences using Python and the Django framework
- Constructed and maintained unit testing for the majority of the web app
- Designed frontend UI for the contact management page using JavaScript and Bootstrap
- See the website at https://grammiegram.com

Skills

Programming   JAVA, C/C++, Python, JavaScript
Web   Django, HTML5, CSS
Spoken Languages   English, Spanish

Awards

Compliance Accomplice   *Oct 2018*
HACKUIOWA

- Developed fully functional email middleware to detect and prevent SEC non-compliance using Google cloud NLP.
- Won "Best Commercial Potential" award from John Pappajohn Entrepreneurial Center and "Best use of Google Cloud" award from Google.
- See project at https://github.com/niehusst/ComplianceAccomplice