Liam Niehus-Staab

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Education

Grinnell College   *Grinnell, IA*

BACHELOR OF ARTS   *Expected Graduation 2020*

- Computer Science Major
- Major GPA: 3.918   Overall GPA: 3.667
- Deans list Fall 2016 and Spring 2017

Experience

Research Assistant   *Grinnell, IA*

UNDERGRADUATE RESEARCH PROJECT, IMAGE SYNTHESIS FOR MACHINE LEARNING   *June-August 2018*

- Developed a C/C++ program to generate synthetic training data for a text recognizing CNN.
- Training with data generator improved model accuracy by 10% over results when trained on industry standard data sets.
- See the research code at https://github.com/niehusst/MapTextSynthesizer

Head of Android Development   *Grinnell, IA*

GRAMMIEGRAM LLC   *August 2018 - Present*

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

AppDev Junior Engineer   *Grinnell, IA*

APPDEV GRINNELL   *January 2018 - Present*

- Developed and wrote tests in Java for the Grinnell Directory Android application.
- Gained experience writing tests using JUnit, Mockito and Espresso.

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 GrammieGram web app.
- Designed frontend UI for the contact management page using JavaScript and Bootstrap.
- Gained experience working remotely with a team using Git version control.
- See the website at https://grammiegram.com

Skills

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

Awards

Compliance Accomplice   *Oct 2018*

HACKUIOWA

- Developed email middleware using Python to detect and prevent SEC non-compliance using Natural Language Processing.
- Won "Best Commercial Potential" award from John Pappajohn Entrepreneurial Center and "Best use of Google Cloud" award from Major League Hacking.
- See project at https://github.com/niehusst/ComplianceAccomplice