

FAUZI KLIMAN

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EDUCATION

Bachelor of Science, Computer Science
Oregon State University

March 2020
Corvallis, OR

EXPERIENCE

Software Engineering Intern

Daimler Trucks North America

June 2019 - December 2019

Portland, OR

- Implemented user facing features to a desktop application in C# using the Windows Presentation Foundation framework and DevExpress library to increase the user base by 40% over 3-months
- Developed a multi-process Python 3 and multi-threaded C++17 application, that are 2x and 18x faster respectively to the previous process, to transpose and interpolate sensor data from Daimler trucks
- Retrieved, processed, and formatted data from a DB2 database using SQL and Alteryx Designer to help determine the root cause of custom work orders on Daimler trucks to improve production efficiency

Software Engineering Intern

3D Systems

April 2018 - September 2018

Wilsonville, OR

- Created Data Analyzer, a desktop application in JavaScript using Node.js and the Electron framework to display real-time information from a 3D printer that could save the company over \$100,000 a year
- Designed and constructed from the ground up a multi-threaded C/C++ application to record data from a 3D printer and transmit it over the network in real-time to the Data Analyzer application for viewing
- Built a Python 3 command-line tool, with isolated unit tests inside a Docker container, to automate the process of creating software upgrade packages for 3D printers

Software Developer

Oregon State University - Department of Integrative Biology

June 2016 - March 2018

Corvallis, OR

- Worked full-time during the summer and part-time during the school year on an open source Ruby on Rails project called TaxonWorks, an online workbench for taxonomists and biodiversity scientists
- Taught myself PHP and SQL to parse data stored in a PostgreSQL database and then feed it into a Python 3 application I developed in order to transform it into a format recognizable by TaxonWorks
- Added user facing features in JavaScript with the Vue.js frontend library to allow users to manipulate their data within TaxonWorks

Undergraduate Teaching Assistant

Oregon State University - College of Engineering

September 2018 - June 2019

Corvallis, OR

- Compensated hourly to tutor and evaluate students for an Intro to Computer Science II course where students learn about object-oriented programming and the inner-workings of data structures in C++
- Lead weekly C++ labs on various topics such as data structures, inheritance, and polymorphism
- Hosted regularly office hours to guide and mentor students with their programming assignments

TECHNICAL SKILLS

Programming Languages: C++, Python 3, JavaScript, C#, C

Version Control Systems: Git, Team Foundation Server

Development Environments: Windows, Linux