Luke Russell

Renton, WA | Relocating to San Francisco, CA
luke.galbraith.russell@gmail.com | (206)-920-4771 | lukegalbraithrussell.github.io

RELEVANT SKILLS

PYTHON   NumPy • SciPy • Pandas • Matplotlib • Seaborn • OpenCV • Tkinter

GIT • SQL • EXCEL • LINUX

EDUCATION

Bachelor of Arts, Physics   **Aug 2014 - May 2018**
Willamette University | Salem, OR

Relevant Classes
— Advanced Data Analysis and Simulation
  - Focused on data collection and statistical analysis using Python
  - Worked with large galactic and cosmological datasets
— Nonlinear Dynamics
  - Focused on modeling nonlinear dynamics and chaos using Python
  - Modeled system behavior visually using plots and animations

PROJECTS

Senior Thesis: Photometry of Celestial Fireballs
Python • Jupyter • Git

— Year-long research on automatically modeling and analyzing meteor data

— Wrote analysis script and graphic user interface

— Presented data analysis to school with 3 talks and 1 poster presentation

Visualization of Simple Sabermetrics
Python • Jupyter • Git

— Created collection of Jupyter notebooks visually explaining new baseball stats to old-school fans

— Written in python, version controlled with git, and pushed to website when complete

WORK EXPERIENCE

Physics Teaching Assistant   **Jan 2017 - May 2018**
Willamette University | Salem, OR

— Instructed 40 students in concepts ranging from astronomy to electrodynamics

— Participated in overhaul of physics lab curriculum based on student feedback

— Graded lab projects and input grades into database on weekly basis

International Peer Coach   **Jan 2016 - April 2018**
Tokyo International University of America | Salem, OR

— Coordinated the arrival of 130 Japanese students to the United States

— Helped orient students to city with daily cultural activities and excursions