Collin Zoeller

zoellercollin@gmail.com · linkedin.com/in/collinzoeller · github.com/ColZoel

EDUCATION

Brigham Young University — Apr 2023
Bachelor of Science: Economics, Emphasis in Econometrics — Provo, UT
Minors in Mathematics, Spanish
- GPA 3.81
- Courses include: Advanced Linear Algebra, Advanced Macroeconomics, Advanced Econometrics

RESEARCH PROJECTS

'Reverse Indexing' App for Data Validation in Handwriting Recognition Models — Sept 2022-Present
Researcher, Coauthor — Provo, UT
- Compare ML handwriting recognition with conventional transcription of historical documents
- Compare current human validation (2nd pass) with app that crowd-sources data validation

City Directory Conversion, Applications of Machine Learning — May 2022-Present
Computer Vision Programmer and Research Assistant for HBS Ph.D. Candidate — Cambridge, MA /Provo, UT
- Construct OCR via Python for data collection for Ph.D. dissertation
- Extract, analyze, and visualize data from 25,000+ images and 1,000,000+ data points
- Generalize OCR knowledge for novel applications in academic research

EXPERIENCE

Brigham Young University Record Linking Lab — Jun 2022- Present
Research Assistant, Computer Vision Team Lead — Provo, UT
- Manage a team of 7 undergraduates and 2 graduate students
- Manage 6+ CV projects for clients including FamilySearch and Wilford Woodruff Papers Foundation

Brigham Young University Economics Department — Sep 2021-Apr 2022
Econ 110 Teaching Assistant — Provo, UT
- Teach lectures on macro and microeconomics for 500+ students
- Host 15 lab hours each week to students and 1-hour lecture review for exam preparation
- Craft test questions and grade all assignments for the instructor

PRESENTATIONS AND CONFERENCES

BYU President's Leadership Council — Sept 2022
Growing Together: Growing the Tree — Provo, UT
- **Topic:** *Emerging applications of computer vision in genealogical research*

Family History Technology Workshop — Feb 2023
City Directories Automated Indexing — Provo, UT
- **Topic:** *Developed OCR tool as a low-cost method to collect data from city directories*

VOLUNTEER EXPERIENCE

The Church of Jesus Christ of Latter-Day Saints — Sept 2017-Aug 2019
Missionary — Los Angeles, CA
- Responsible for training, morale, and engagement for 70+ fellow missionaries
- Taught religious curriculum to 1500+ Spanish-speaking residents in Orange and Los Angeles County
- Taught 15+ English classes to non-native speakers as a free public service

TECHNICAL SKILLS

- Stata
- Python
- R, Matlab, Linux (familiar)
- Git/GitHub
- OCR
- Machine Learning
- LaTeX
- Data visualization

CERTIFICATES

BYU Spanish Language Certificate — Dec 2022
ACTFL Advanced Spanish Proficiency — Provo, UT
Certificate ID: 6028333-79C11E