COLTON WOLK

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RELEVANT EXPERIENCE

AI Researcher, *Institute for Linguistic Evidence*; Georgetown, DE — **Jul 2023 – Present**
- Generate reliable indicators of AI-generated text from GPT-4 with prompt engineering, lexical analysis
- Propose talks on differentiating AI and human-written text for the AAFS February conference

Extreme Blue Technical Intern, *IBM*; Durham, NC — **May 2021 – Aug 2021**
- Optimize cloud migration and eliminate redundancies in product portfolio in Global Business Services
- Expand capablities through cloud-based website and automate approach using machine learning

Machine Learning Intern, *ALIAS Technology*; Georgetown, DE — **May 2020 – Jul 2020**
- Achieve **99% accuracy** on real-world data for authorship identification and classification using regression, SVM, and Naive Bayes approaches in Scikit Learn

Research Software Engineer, *USDA Human Nutrition Research Center*; Boston, MA — **Apr 2019 – May 2021**
- Develop HIPAA-compliant iOS app for monitoring adherence to weight-loss diets with React Native
- Publish peer-reviewed scientific review paper analyzing emerging technologies for diet and activity monitoring in the *Advances in Nutrition* journal in multi-university collaboration

OTHER EXPERIENCE

English Lecturer, *China International Personnel Training Centre*; Shenzhen, China — **Sep 2022 – Jul 2023**
- Educate 750 students/week using English, Chinese; attend national conferences as ambassador for CIPTC

Teaching Fellow, *Tufts CS160: Algorithms* — **Jan 2020 – Aug 2022**
- Manage 20 teaching assistants; teach recitations with 40+ students; write all exams for 150 students

Staff Writer, *Information Technology and Innovation Foundation* — **Sep 2021 – Dec 2022**
- Garner quotes from Capitol Hill for 25 in-depth articles on global innovation policy for *Innovation Policy News*

Diversity & Inclusion Report Lead | Business Manager, *The Tufts Daily* — **Jan 2021 – Aug 2022**
- Publish 25-page report of actionable initiatives to increase diversity, based on 131 survey responses
- Deliver $5,000 in new revenue through distribution partnerships with **Apple News**, Newsbreak
- Launch new website and transfer 20 years of data through coordinated partnership with SNWorks

Director, *Polyhack Hackathon* — **Sep 2019 – May 2022**
- Attract 300+ in-person attendees resulting in 25+ projects focusing on social good
- Raise upwards of $15,000 from tech sponsors and attract top talent to give tech talks

SKILLS

Tools: Git, Github, MongoDB, C++, Java, Python, NumPy, Scikit Learn, Jupyter Notebook, Langchain, OpenAI API

Skills: Agile, Prompt Engineering, Scheduling, Budgeting, Communication, Work Breakdown Structures

EDUCATION

Tufts University, Medford, MA — **May 2022**
Summa Cum Laude, GPA: 3.9
B.S. in Computer Science + Minor in Chinese
Relevant Courses: Artificial Intelligence, Machine Learning, Management of Innovation, Engineering Management