

Owain West

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Summary

A sharp analytical mind and strong communicator, Owain West is an ideal candidate for technically, intellectually, and interpersonally demanding roles. He excels at working under pressure and has a proven history of and drive towards adding value both as a team member and individual.

Education

University of Waterloo (UW)

MMATH IN COMPUTER SCIENCE

Waterloo, Canada

Sept. 2019 - Dec. 2020

University of Pennsylvania (UPenn)

BA, MAGNA CUM LAUDE

Philadelphia, USA

MAJORS IN: LOGIC, INFORMATION, AND COMPUTATION; COMPUTER SCIENCE; PHILOSOPHY AND SCIENCE

Sept. 2015 - May 2019

Experience

Thinknum Alternative Data

JUNIOR DATA ENGINEER

New York, USA

Jan. 2022 - Present

- Responsible for building ETL pipelines for ingest of open web data into company systems. Working with Redis, BeautifulSoup, Selenium, Django, Gremlin, and other open technologies to build a scalable system for semantic data presentation.
- Implementation of devops and testing tasks, including implementation of BlazeMeter and NewRelic monitoring.

University of Waterloo

TEACHING ASSISTANT, CS 330 (MANAGEMENT INFO. SYSTEMS)

Waterloo, Canada

Jan-Aug 2020, Jan 2021 - Dec 2021

- Responsible for grading assignments and exams, communicating feedback effectively to students, and giving input for course development.

Royal Bank of Canada (RBC), Toronto Innovation Lab

SOFTWARE ENGINEER, SUMMER

Toronto, Canada

May - Aug. 2019

- Continued development of conversational applications for Alexa and Google Home, including production versions of previously instigated PoCs.
- Developed pipeline for automated evaluation of semantic quality of text summarizations created within natural-language dialog systems.

University of Pennsylvania

HEAD TEACHING ASSISTANT, LGIC 010 (INTRO FORMAL LOGIC)

Philadelphia, USA

Jan 2016 - May 2019

- Coauthored an introductory **textbook** for use in the class.
- Taught weekly recitation and office hour sessions. Managed other teaching assistants and helped develop curriculum and assignments.

UPenn Student Federal Credit Union

SUPERVISORY COMMITTEE MEMBER, INFORMATION SYSTEMS COMMITTEE MEMBER

Philadelphia, Pennsylvania

Sept 2016 - May 2018

- Enacted regular audits to uphold a high standard of business and to comply with Federal banking regulations. Oversaw and regulated other core committees.
- Maintained and modernized the SFCU's website and digital presence, ensuring the security of sensitive banking information.

RBC, Toronto Innovation Lab

SOFTWARE ENGINEER INTERN

Toronto, Canada

May-Aug. 2017, May-Aug. 2018

- 2018: Designed, developed multiple conversational application PoCs. Interviewed external software firms to join internal projects. Trained deep learning NLP functionality for use in conversational and data-insight applications, including text classification models, topic models, and custom named-entity-recognition models. Developed a machine-vision based table parser; provisional patent was received for resulting work.
- 2017: Designed and built a chatbot to automate the developer onboarding process. Championed internal research and development of experimental Alexa/Google Home products.

Bridge: Freshman Mental Wellness

FOUNDER, CO-PRESIDENT

Philadelphia, USA

Sept 2015 - May 2017

- Founded and developed Bridge, which was a student organization at UPenn that focused on peer support for freshmen.
- Organized events and support of various kinds for students in the wider UPenn community.

UPenn Aerospace Club

BALLOON SOFTWARE AND AVIONICS TEAM, OPERATIONS TEAM

Philadelphia, USA

Sep 2015 - May 2016

- Aided the design and program of experimental balloons sent into near space.

Skills

PERSONAL

- Strong: Presentation ability • Communication • Adaptability • Drive to succeed • Analytical Reasoning • Empathy • Leadership • Teamwork • Problem-solving • Independent research • Quantitative thinking

PROGRAMMING

- Strong in: Julia • JavaScript • Python • Java • OCaml • SQL • K • TLA+
- Familiar with: Go • Elm • Kotlin • Ruby • Mathematica • C • C++ • Rust • Emacs Lisp • Typescript • HTML • CSS • R

TECHNOLOGY

- Bioinformatics/proteomics techniques • AWS • GCP • Jenkins • Node • Dialogflow • Git • Unix • Flask • SciPy • Numpy • Machine Learning • Alexa SDK • ElasticSearch • Tensorflow • Vim • Emacs • React • MongoDB • Postgress • Gremlin • Redis • Apache Gremlin/NoSQL • ETL/Data Engineering