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)   *Waterloo, Canada*

MMATH IN COMPUTER SCIENCE   *Sept. 2019 - Dec. 2020*

University of Pennsylvania (UPenn)   *Philadelphia, USA*

BA, MAGNA CUM LAUDE   *Sept. 2015 - May 2019*

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

Experience

Thinknum Alternative Data   *New York, USA*

JUNIOR DATA ENGINEER   *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   *Waterloo, Canada*

TEACHING ASSISTANT, CS 330 (MANAGEMENT INFO. SYSTEMS)   *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   *Toronto, Canada*

SOFTWARE ENGINEER, SUMMER   *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   *Philadelphia, USA*

HEAD TEACHING ASSISTANT, LGIC 010 (INTRO FORMAL LOGIC)   *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   *Philadelphia, Pennsylvania*

SUPERVISORY COMMITTEE MEMBER, INFORMATION SYSTEMS COMMITTEE MEMBER   *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   *Toronto, Canada*

SOFTWARE ENGINEER INTERN   *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   *Philadelphia, USA*

FOUNDER, CO-PRESIDENT   *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   *Philadelphia, USA*

BALLOON SOFTWARE AND AVIONICS TEAM, OPERATIONS TEAM   *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 • IBM Cloud • Jenkins • Node • Dialogflow • Git • Unix tooling • Flask • SciPy • Numpy • Flux (Julia) • Alexa SDK • ElasticSearch • Tensorflow • Vim • Emacs • React • MongoDB • Postgress • Tailwind CSS • Gremlin • Redis • Apache Gremlin