Abdelwahab Bourai

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Experience

2014 | **Carnegie Mellon Watson University Challenge Team**

- Developing an application leveraging Watson's question answering prowess to compete in the IBM Watson University Challenge
- Project uses computer vision, natural language processing, and supervised learning

Software Engineering Intern, NVIDIA GRID Visual Computing Appliance Team

- Designed and developed a distributed error catching and uploading system for the VCA client using Google Breakpad
- Implemented a command line interface for managing VCA virtual machines and user sessions in a LevelDB database

2013 | **Human Computer Interaction Intern, Jet Propulsion Laboratory Human Interfaces Group**

- Served as coding lead for team to create a visualization tool for functional MRI data
    - Used by neuroscientists working on Human Connectome Project, a multi million dollar initiative to map functional connections in the brain
    - Fully web-based, with researchers uploading their datasets for collaborative or public viewing purposes
- Available at http://brain-viz.herokuapp.com

2012 | **Earth Science Research Consultant, Jet Propulsion Laboratory/NASA Ames Research Center**

- Analyzed GRACE satellite data to calculate rate of decline of groundwater in California
    - Researched new algorithms to discover trends in large datasets with Matlab and Python
- Worked closely with GRACE satellite expert Dr. Felix Landerer

2011 | **Earth Science Research Consultant, NASA Ames Research Center**

- Collaborated on a team of undergraduate and graduate students to track changes in California groundwater
- Presented findings at NASA Headquarters, American Geophysical Union (AGU), and others

Education

2012–2016 | **B.S. Computer Science and Cognitive Science, Carnegie Mellon University**

Skills

Programming	Python, C, Java, R, JavaScript, HTML, CSS, Django. Comfortable in UNIX/Linux
3-D	Experienced in webGL and openGL
Software	Adobe Creative Suite $(4-6)$, ArcGIS, ENVI, ESRI, SolidWorks, AWS
Languages	Arabic, French, Berber