

S. Diana Hu

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WORK EXPERIENCE

Intel Corporation

Data Scientist – Intel Media, Architecture Team

July 2013 – Present

- Prototyped and productized statistical models to solve a variety of problems from large scale automatic live TV ad detection (2 pending patents), to analyzing video streaming efficiency, to designing a recommendation engine

Rotation Engineer

July 2011 – July 2013

- Class of 2011: one of 25 recent graduates selected for this [technical leadership program](#)

Rotation 3: Research Analyst – Intel Architecture Group (IAG) Executive Office (Santa Clara, CA)

- Prepared white papers, market strategies, executive briefings and keynotes for the Intel Chief of Product

Rotation 2: Research Scientist – Intel Labs Cluster Computing Group (Hillsboro, OR)

- Researched large scale machine learning frameworks and developed v0.1 [open source graph processing library](#)

Rotation 1: Software Engineer – Intelligent Systems Group Industrial Segment (Chandler, AZ)

- Strategic planning and benchmarking Atom™ and competitors in industrial machine vision (IMV) applications

NVIDIA Corporation, Santa Clara, CA

Engineering Intern

May 2010 – August 2010

- Improved power qualification methods by creating estimation models over billion samples of data (using Python)

Our Lady Lourdes College Foundation, Daet Philippines

Technology Consultant

May 2009 – August 2009

- Developed a [robotics education program](#) for college and high school in current use since 2009

RESEARCH EXPERIENCE

BiometriCore Inc., Pittsburgh, PA

Research Engineer

December 2010 – May 2011

- Analyzed novel biometric signatures in exploratory non-invasive heart biometrics (2 publications) [\[1\]](#) [\[2\]](#)

CyLab Biometrics Center, Carnegie Mellon University

Research Assistant

January 2010 – May 2011

- Researched Soft Biometrics intelligence (classification of [gender](#), ethnicity from 1M images for identification)

TECHNICAL SKILLS

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|--|---|
| • <i>Data Analysis:</i> Python R, MATLAB/Octave | • <i>Data Visualization:</i> R, JavaScript (D3.js, Processing.js) |
| • <i>Big Data:</i> AWS (ec2, s3, emr), Hadoop (Mahout) | • <i>Computer Vision:</i> OpenCV, MATLAB |

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

M.S Electrical and Computer Engineering

August 2010 – May 2011

- GPA: 3.8/4.0 with Highest Honors Conferred

B.S Electrical and Computer Engineering

August 2007 – May 2010

- Minor in Music Technology
- GPA: 3.7/4.0 with Highest Honors Conferred

OTHER SKILLS AND INTERESTS

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|--|---|
| • Volunteering: Co-founded dsoglobal.org a non-profit international development consultancy | • Program and project management |
| • Native Spanish speaker, fluent in Chinese, and conversant in French | • Interested in traveling for work |
| • Robotics and hardware projects | • Hang Drum and Violin player |
| | • Recreational rock climber and acro-yogi |