

# S. Diana Hu

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## WORK EXPERIENCE

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### 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

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### 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

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### 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 <a href="http://dsoglobal.org">dsoglobal.org</a> 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        |
| • <a href="#">Robotics</a> and hardware projects   | • Hang Drum and Violin player             |
|  | • Recreational rock climber and acro-yogi |