

# Wonjun Lee

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## EDUCATION

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**B.S. in Mathematics** from **George Mason University** Fairfax, Virginia | Aug 2010 – May 2015

Concentration in **Applied Mathematics** and **Mathematical Statistics**

**GPA:** 3.84, *Magna Cum Laude*

**Honors:** Phi Beta Kappa, Phi Kappa Phi, Dean's List

### Massive Open Online Courses (MOOCs)

**Udacity Self-Driving Car Nanodegree**

Nov 2016 – Present

Computer vision, deep learning, and localization for autonomous car engineering

**Udacity Data Analyst Nanodegree**

Apr 2016 – Jul 2016

Statistics, machine learning, data visualization, and A/B testing.

## RESEARCH INTERESTS

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|--------------------------------------------------------|--------------------------------|
| • Numerical linear algebra                             | • Mathematical Physics/Biology |
| • Numerical methods for partial differential equations | • Inverse Problems             |
| • Computational topology                               | • Fluid dynamics               |

## RESEARCH EXPERIENCE

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**Research Experience for Undergraduate (REU)**

May 2013 – Aug 2014

Undergraduate Research in Computational Mathematics (URCM) sponsored by the National Science Foundation (NSF).

*"Reconstruction of video using Singular Value Decomposition (SVD) with delays of time frames"*

## AWARDS, ACTIVITIES, AND SCHOLARSHIP

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**William Lowell Putnam Mathematical Competition, Scored 20**

Dec 2014

**Outstanding Presentation Award**

Jan 2014

Won an Outstanding Presentation Award at the Joint Mathematical Meetings held in Baltimore, MD.

*"Reconstruction of video using SVD with delays of time frames."*

**Accepted to New York University College of Dentistry**

Dec 2012

**Jean Wu Distinguished Undergraduate Scholarship**

Aug 2010

Received from the Volgenau School of Information Technology and Engineering at George Mason University

## INVITED TALKS

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- “Reconstruction of video using SVD with delays of time frames”* May 2014  
**College of Science Undergraduate Research Colloquium, George Mason University**
- “Reconstruction of video using SVD with delays of time frames”* Jan 2014  
**Joint Mathematical Meetings, Baltimore, Maryland**
- “Reconstruction of video using SVD with delays of time frames”* Nov 2013  
**Student Research Talks, George Mason University**
- “Reconstruction of video using SVD with delays of time frames”* Sep 2013  
**Shenandoah Undergraduate Mathematics and Statistics Conference, James Madison University**

## TEACHING EXPERIENCE

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- Private Tutor** Fairfax, Virginia | Dec 2009 – Present
- High school sciences (AP Calculus, AP Physics, and AP Chemistry)
  - College mathematics (Linear Algebra, Differential Equations, Probability, and Numerical Analysis)

## PROFESSIONAL EXPERIENCE

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- Cheiron, Inc – Actuarial Analyst** McLean, Virginia | Feb 2015 – Sep 2016
- Cleaned and Processed the pension databases from 15 clients per month.
  - Prepared valuation reports using actuarial assumptions and stochastic models.
  - Created a Microsoft VBA application that generates prices for benefit plans under the user-defined assumptions.

## SKILLS

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*Languages:* Matlab, Python, R, SAS, JavaScript, C, HTML, CSS

*Frameworks/Libraries:* Tensorflow, Keras, OpenCV, Spark, Hadoop, scikit-learn, MongoDB, D3.js

*Other:* Latex, Git/GitHub

Proficient in **Korean**