

# James Wang

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## Personal Website: [Jamesywang.com](http://Jamesywang.com)

### On-going Personal Project

- Coded a Personal/Resume website
- Self-taught and used custom HTML, Bootstrap, CSS code, and Github

**Johns Creek, GA**

*June 2017 – Present*

## EDUCATION

### Georgia Institute of Technology

**Atlanta, GA**

Neuroscience Major: Computer Science Focus

*Expected Graduation: May 2021*

Currently Enrolled: CS1331, CS2051, CS2316, GT1000, APPH4400, PHYS2211, MATH1554

### Horizons School of Technology

**San Francisco, CA**

Software Developer Training

*January 2017- Present*

Teaches Full-Stack Web Development and Mobile App Development

Includes: Web Security, Databasing, Back and Front end development, Frameworks, and IOS and Android Dev

### Chattahoochee High School

**Johns Creek, GA**

High School Diploma; Summa Cum Laude

*August 2013 – May 2017*

GPA: 3.98/4.00

Georgia Governor's Honors Program (2016) Scholar

## PROJECTS

### Suicide NLP with Machine Learning Interpreter

**Atlanta, GA**

#### Personal Project

*October-Present*

- Creating program that interprets suicide victim sentences, outputting a response for suicide prevention operators

### Chess PGN Reader

**Atlanta, GA**

#### Academic Project

*September – December*

- Java based PGN reader that inputs a PGN file and outputs final chess board position in FEN notation
- Created a GUI to interpret PGN files

### Company GUI

**Atlanta, GA**

#### Academic Project

*September-December*

- Python-based GUI (PyQt5) using web scraping (Pandas and Regex), database(SQLite3) creation and manipulation, and File IO data manipulation of CSV and HTML files.

## RESEARCH

### Voit Laboratory for Biology Systems Analysis; Georgia Institute of Technology

**Atlanta, GA**

#### Undergraduate Research Assistant

*October 2016 - Present*

- Combining mathematical and computational modelling to manipulate dopaminergic and serotonergic systems under conditions of cortisol manipulation

### Jaeger Computational Neuroscience Lab; Emory University

**Atlanta, GA**

#### Research Intern/Volunteer

*May 2017 – August 2017*

- Used Matlab to create data organization programs to improve lab data search efficiency
- Analyzed raw data to find differences between Parkinsonian and normal mice
  - Used computational data analysis techniques to measure the effect of Parkinsonian cells targeting only a hemisphere of the brain
  - Tracking the nose and limbs for both types of mice models
- Presented my contributions to the Principle Investigator of the lab under the title “The Behaviors of Parkinsonian Mice Versus Normal Mice”

### myGenomics LLC

**Johns Creek, GA**

#### Student Intern

*Jan 2017 – May 2017*

- Extracted, fragmented, purified, amplified, and sequenced DNA for over 30 clients
  - Worked with blood and saliva samples, learning PCR techniques and genetic testing procedures
- Gave quality control(QC) reports to clients while organizing samples
- Mentored by Emory University assistant professor and LLC CEO Dr. Sheob Ahmad for over 80 hours

## SKILLS

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### Programming Languages

Intermediate: Java, HTML, Python, SQL, Bootstrap, and CSS

Beginner: Matlab (Machine Learning), Node JS, and Shell

### Languages

English - Native

Chinese – Fluent

Latin – Intermediate

### Coursera Courses

Machine Learning from Stanford University

*Enrolled July 2017*

Introduction to Matlab from Vanderbilt University

*Enrolled June 2017*

### Concepts

OOP, Data Manipulation, Machine Learning, TensorFlow, Linear Algebra

## LEADERSHIP

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- Georgia Tech Bits of Good Non-Profit Recruiter– Combining CS and Community involvement *Present*
- Presidential Council Governing Board – Campus Collaboration Committee *Present*
- President of JTTF (Junior Table Tennis Foundation) *2014-2017*
  - President of Non-profit: created charity tournaments/events
    - Raised over \$2000 from sponsorships and attendance entry fees
    - Donated to the Police Athletic League, PAL, and Relay for Life
    - Organized 4 tournaments and 2 events; Over 50 attendees at each
- President of high school Neuroscience (Brain Bee Club) *2016-2017*
- President of high school chapter Junior Classical League *2016-2017*

## HOBBIES

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### Table Tennis

- 2015 State Men's Doubles Champion
- 2015 Under 18 State Champion
- 2014 State Men's Singles Third Place
- Top 5% of players in the United States

### Tennis

- Highschool Men's Varsity Tennis Team
- 2017 AAAAAA State Champion Runner-up

### Swimming

- Highschool Men's Varsity Swim Team

### Photography

- Budding photographer
  - I like to take pictures of my friends and family who are having a great time.
- This is my Flickr!
  - <https://tinyurl.com/ya4tejfc>