

# Victor Jacobson

Neural Network  
Programmer/  
App Developer

## Personal Info

### Phone

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### Site

victorjacobson.com

### LinkedIn:

[www.linkedin.com/in/victorjacobson](http://www.linkedin.com/in/victorjacobson)

### GitHub:

<https://github.com/Vystyk/>

## Education

### Kean University

B.S in Computer Science  
2018 | Union, NJ  
Dean's Honors List  
Cumulative GPA: 3.6  
Cum Laude

## Publications

V. Jacobson, C. Iglesias, and P. Morreale,  
"User Interface Design and Evaluation of  
a Mobile Pollen Tracking Application",  
*Proceedings of the 12th International  
Conference on Interfaces and Human  
Computer Interaction 2018 (IHCI 2018)*,  
Madrid, Spain, July 18-20, pp. 324-328.

## Awards

HackKEAN 2017

1st place - Created game using  
Leap Motion..

## Societies/Clubs

- Association for Computing Machinery
- American Mensa (Member #: 100407610)

## Languages

- Java
- C#
- Swift
- PHP
- R

## Certifications

- A+
- Security +
- MCDST (2007)

Computer Science graduate with experience in Java, Swift, PHP, SQL, C#, R. Coded convolutional neural network from scratch, complete with real-time visualization. Currently solo developing AccuPollen™ Allergy Tracker, a free pollen count app available on iOS and Android. Looking for challenging work where creative/design input is valued.

## Projects

### AccuPollen™ Allergy Tracker

- Created Android and iOS apps
- Designed and Implemented SQL database
- Created php interface with FileMaker and SQL database
- Created all graphical assets
- Implemented in app advertisements
- Managed developer accounts and app releases/updates

### Neural Network Research

- Implemented fully trainable neural network from scratch
- Created and presented research poster at Kean Research Days 2018
- Visualize backpropagation in real-time
- Visualize convolutional network and filter development
- 99.28% percent correct on MNIST dataset

### Data Visualization Research

- Used R Studio to analyze USDA Food Data
- Created and presented research poster at Kean Research Days 2017
- Wrote R code to generate categorical information for each entry
- Generated insightful graphs using new categories

## Research

### Group Summer Scholar Research Program 2016 (GSSRP)

Kean STEM Building, Union, NJ

July 2016 - August 2016

Research Assistant/ Instructor

- Created suffix tree generation algorithm in Java capable of processing e. coli genome
- Instructed high school students in computer programming and simple data structures
- Helped students present research to guests at final presentation event

## Work Experience

Wells Fargo, Springfield, NJ

August 2016 - Present

Teller

- Provide friendly and courteous transaction processing for customers.
- Verify checks and cash to prevent fraud and identify counterfeit currency (analyze, monitor fraud)
- Maintain daily records and balances (calculated with accuracy)

Kean University Office of Computer Information Services, Union, NJ January 2016 - July 2016

Support Technician

- Provide face to face tech support for computer hardware and software throughout campus
- Configure computer access to network resources and printers
- Troubleshoot issues and document procedures and solutions
- Instruct new technicians on various procedures

Barnes & Noble Livingston and Barnes & Noble Menlo, NJ

September 2010 - September 2016

Digital Sales Supervisor/ Bookseller

- Manage digital department operations, personnel, product availability, train newly hired associates
- Develop new sales tracking sheet, create signs and fliers for special events
- Conduct NOOK classes for customers
- Design and conduct storewide sales contests