

# Justin Irazabal

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## EDUCATION

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**University of Delaware**, Newark, DE December 2018  
*Bachelor of Science, College of Engineering*  
Major: *Computer Science*

*Selected Coursework:* Data Structures & Algorithms, Database Systems, Advanced Web Technologies, Artificial Intelligence, Advanced Software Engineering, Parallel Programming, Secure Software Design

**University of Delaware**, Newark, DE August 2016  
*Associate in Arts*

## SKILLS

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- Computer: Debugging, GitHub, Android, iOS, Linux, Bash Command Line, ORACLE, MongoDB, Jira
  - Programming Languages: Python, Java, C, C++, HTML, CSS, JavaScript, Node.js, PL/SQL, Angular
  - Spoken Languages: English, Spanish
  - Strong collaborative, communicative, and problem solving skills
  - Skilled in critical thinking, logic, and decision making

## EXPERIENCE

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**University of Delaware**, Newark, DE August 2016 - Present  
*Teaching Assistant, Computer Science Dept.*

- Administered and taught various lab sections in Python and Java consisting of over 600 students
- Reinforced concepts such as object-oriented programming, data structures, and polymorphism
- Employed paired programming techniques to promote learning in a cooperative environment

## RELEVANT COURSE PROJECTS

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- Collaborated with Delaware NERR (National Estuarine Research Reserve) and developed three games to be put on display for children in Delaware research centers
  - Applied core software engineering principles using Model-View-Controller design in Java that facilitated the completion of three consolidated, organized projects
  - Assumed role of team leader and led to efficient development of project during coding phase using Agile and Scrum methodologies
  - Created a chat bot using UDP protocol with client-server processing coded entirely in Python using a variety of API's and bash command line
  - Enhanced data processing code to run 87% faster by utilizing Apache Spark and Python
  - Designed and implemented Markov Chain Generator in C++ that ingested a text file and printed a Tweet based on the language structure of said file

## ACTIVITIES / INTERESTS

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- Disciplined martial artist with over 10 years of training and a black belt in Kung Fu
  - Volunteered as an instructor to teach structured sessions of martial arts classes to over 50 people
  - Assembling and tinkering with computers and mobile devices
  - Enabling debugging mode on Android to root and unlock firmware for superuser permissions
  - Creating mobile applications and learning new tools for development

## COMMUNITY SERVICE

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- Served as a member of the church community, Sacred Heart Church (of the Capuchin Fathers), in Cordoba, Argentina by arranging different activities including gathering food and clothes for homeless people and knitting blankets during winter