Jeremy Arthur Cendana Aguilon

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EDUCATION

Georgia Institute of Technology, Atlanta, GA — **Bachelor of Computer Science**
Georgia Tech Honors Program Student — Threads: Intelligence, Media
GPA: 4.00 — Expected Graduation Date: December 2018

Coursework

Computational Theory	Algorithms, Programming, and Design
- Discrete Mathematics	- Data Structures & Algorithms
- Applied Combinatorics	- Objects & Design
- Algorithmic Design & Analysis	- Computer Organization & Programming

WORK EXPERIENCE

Amazon   **May 2017 – Present**
Software Engineering Intern (Personalization), Seattle, WA
- Improved scalability by implementing a NoSQL solution that preprocesses recommendation relevance scores
- Refined item relevance for all NA customers by integrating new DB in the low-latency contexts of website
- Actively engaging with the analytics platform to quantitatively measure customer gains

Google   **Jan 2017 – April 2017**
Software Engineering Intern (Google Cloud Platform), Irvine, CA
- Introduced a new notification system for transient, user, and system errors within the cloud analytics system
- Overhauled the analytics pipelines to allow users to monitor the statuses of 300+ active jobs through a new UI
- Implemented a framework to enable the tracking of cascading errors due to dependent pipelines
- Enhanced code maintainability by performing crucial refactors to exception propagation

Vertafore   **May 2016 – Aug 2016**
SDE Backend Intern (ImageRight), Atlanta, GA
- Implemented the media streaming endpoints on the web API to allow users to readily view content on a browser
- Improved maintainability across CRUD calls of a new cloud content system by introducing a new exception management pattern
- Promoted code maintainability across 3 projects by writing C# unit, integration, and end-to-end tests
- Planned and coded the business logic behind a new optical character recognition engine for the product

RESEARCH PROJECTS

Georgia Tech Undergraduate Research   **Jan 2016 – May 2016**
Research Assistant, Atlanta, GA
- Contributed in research to fill gaps in pediatric chronic care for diseases such as asthma
- Developed the backend of a mobile application to streamline diagnoses of asthma through agile methodologies
- Worked in facility 10 hours per week to research, discuss, and implement new features

CODE PORTFOLIO

IBAAP Asthma Action Plan (*https://github.com/JerAguilon/IBAAPWebsite*)
- Developed an easily accessible asthma action plan as part of undergraduate research
- Coded the backend of the stack by interfacing with MongoDB to store user data
- Designed the feature to allow parents to store 5 daily data statistics of their child's asthmatic behavior
- Utilized feature driven design to receive feedback and suggestions from research professor

LEADERSHIP

College of Computing Outreach Program   **Oct 2015 – Jan 2016**
Programming Teacher, Atlanta, GA
- Provided after-school programming lessons to bring Computer Science to underrepresented groups
- Mentored a group of 16 children ages 10-13 on computer science as a career path

Alpha Kappa Psi Professional Co-Ed Business Fraternity   **Dec 2015 – Present**
Director of Professional Programming, Atlanta, GA
- Recruited panelists for *Round One*, a *Shark Tank*-like competition, to 3 potential mentors and 1 angel investor to bring them face-to-face with Georgia Tech entrepreneurs
- Presented 2 times per week on topics relating to technical skills, industry-specific developments, and career-oriented goal seeking