

# Joseph D. Yun

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## Education & Courses

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Georgia State University, Atlanta, GA

Bachelor of Science, Computer Science

Expected Graduation: May 2017

GPA: 3.66 out of 4.00

Concentration: Database & Knowledge-Base System

- Hope Scholarship
- Dean's list (Spring '13/ Fall '14/ Spring '15/ Fall '15)
- The National Society of Collegiate Scholars

### Relevant Coursework

Principle of Computer Programming

Theory Foundation of Computer Science

Math Models for Computer Science

Software Engineering (Spring '16)

Operating System (Spring '16)

Design & Analysis: Algorithm (Spring '16)

### In-Progress Courses (Fall '17)

Web-Programming

Relational Database System

Computer Network

Non Maj. Computer-Science - Python

### "What I have learned in these courses"

**Computer Organization & Programming:** Fundamentals of Object-oriented Programming with Java (inheritance, polymorphism, abstraction).

**System-level Programming:** Python, UNIX/Linux, C.

**Computer Architecture:** Understanding of computational relations between memory, CPU, registers.

**Programming Language Concept:** History of programming languages, syntax and semantics of different languages.

**Design and Analysis of Algorithms:** Data structures, sorting, compression, generic algorithms. Combination problems (Eulerian cycle, MST, page rank). Computational complexity. Heuristics and approximation algorithms.

**Operating System:** Relational concept between memory and OS. Different types of overhead in multithread utilization. Programming with multi-thread (pthread, mutex-lock, deadlock, scheduling algorithms: FCFS, SJF).

**Software Engineering:** Different types of software development cycles (Waterfall, Agile, XP). Documentation process (Problem statements, Gantt chart, FPC, Use cases, RTM). Hands-on team-based projects. Android programming.

## Programming Languages & Projects

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Java, Python, UNIX, C, HTML, XML, CSS, JavaScript, jQuery

**"Bank Simulation"** (Java)

- Simulation of a real life bank scenario, estimating number of customer each teller dealt within given amount of time. Based off of randomly generated time given to each customers.

**"Lazy Student Calendar"** (Android application | Java & XML)

- Capture syllabus contents to distribute its data (important test dates, professor/ TA names and contacts, textbook information) to phone's native application such as calendar, contact, email, browser, using tesseract OCR (open source API).

**"Checkerboard"** (HTML, CSS, JS/jQuery)

- Web-application representing user-interactive checkerboard game.

## Work Experience

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Yuka Sushi & Roll, Suwanee, GA

Waiter

Dec. 2012 – Dec. 2013

Air-Lynk Wireless, Atlanta, GA

Dec. 2015 – Present

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*Sales Representative*