

# GARIK V. KHACHATRYAN

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## EDUCATION

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### University of California, Irvine

*Sophomore Class Standing – Software Engineering*

Expected B.S. March 2020

GPA – 3.73

## RELEVANT COURSEWORK

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### Passed Courses:

- CompSci 141 – Concepts in Programming Languages
- ICS 46 – Data Structures & Algorithms
- Informatics 131 & 132 – Human Computer Interaction
- ICS 132 – Computer Networks
- ICS 45C & 45J – Programming in C/C++ & Java
- ICS 51 – Introductory Machine Organization (Assembly & C)
- Informatics 43 & 121 – Software Engineering & Design
- ICS 6 Series – Linear Algebra
- ICS 30 Series – Programming with Python

## SKILLS

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### Programming

C++, Java, Python  
C/Assembly  
Prolog, LISP

### Web Development

HTML, JS, CSS, PHP  
NodeJs, React & Angular  
CMS & E-Commerce

### Other

Requirements Analysis  
Software Design & Testing  
Human-Computer Interaction / UI

## EXPERIENCE

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### University of California, Learning and Academic Resource Center (LARC)

*Tutorial Leader*

*September 2017 - Current*

- Facilitate active learning environments and discussions for Information and Computer Science course on Python
- Help students understand a greater understanding of the material, focusing on programming with software libraries.
- Attend lecture of course being taught and create lesson plans according to the material covered, preparing for future assessments or assignments.

### Whale Startups

*Lead Developer*

*September 2016-September 2017*

- Lead Developer in student-organized startup based on creating in-house applications for the students at UCI
- Create cross-platform applications with Angular/Ionic and web applications using ReactJS and live databases
- Create schedules for projects and experience Agile development methods

### DreamZone Designs

*Website Design*

*December 2013-January 2015*

- Using Content Management Systems (CMS) such as WordPress or Joomla to develop and design websites.
- Incorporated PHP, Javascript, CSS, and HTML to create custom themes and/or modify existing websites.
- Maintained and updated client websites as needed, including repairing MySQL databases.

## RELEVANT PROJECTS

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- Linux kernel knowledge and experience using shell, creating bash scripts, managing user/file permissions.
- Creating basic web crawler and search engine that indexes corpus for keywords and images.
- Concurrent programming knowledge with Java to create basic operating system simulation.
- Functional programming experience by creating LISP interpreter with LISP.
- Recreating games such as Pong, brick breaker, Othello, Tetris, and other board games using C++ and Java using different graphical user interfaces.
- Straightforward to-do application for Android using Firebase live, JSON database without authentication.
- Assisted classmate in creating temporary website for high school commercial multimedia class.
  - o Created a Content Management System using PHP for teacher's convenience with MySQL database.