

# Son Tran

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## EDUCATION

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- **University of California, Berkeley – Expected Graduation: Dec 2020** Berkeley, CA  
*Bachelor of Science in Electrical Engineering and Computer Science; GPA: 3.925* Aug 2018 – Present
- **Golden West College** Huntington Beach, CA  
*Associate of Science for Transfer in Computer Science; GPA: 4.00* Jan 2016 – May 2018

## RELATED COURSEWORK

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- CS 61A - The Structure and Interpretation of Computer Programs, EE 16A/B - Designing Information Devices and Systems, CS 61B - Data Structures, CS 61C - Machine Structures, CS 70 - Discrete Mathematics and Probability Theory, CS 188 - Artificial Intelligence, CS 370 - Introduction to Teaching Computer Science

## WORK EXPERIENCE

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- **UC Berkeley Electrical Engineering and Computer Sciences** Berkeley, CA  
*Academic Intern for CS 61A* Jan 2019 – May 2019
  - Helped CS 61A's student in labs and office hours Applied the Socratic Method in helping other students
- **Computer Science Mentors Group** Berkeley, CA  
*Junior Mentor* Jan 2019 – May 2019
  - Taught EE 16A, Designing Information Devices and Systems I, materials to two students in a small group discussion
  - Prepared lectures and notes for my discussions
  - Applied the Socratic and Bloom's two sigma methods in my teaching sections

## RESEARCH EXPERIENCE

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- **UC Berkeley Electrical Engineering and Computer Sciences, SWARM Lab** Berkeley, CA  
*Undergraduate Research* May 2019 – Present
  - Helping graduate students design and test micro jumping and swimming robots
- **California State University, Fullerton** Fullerton, CA  
*Undergraduate Research Experience* Jun 2018 – Aug 2018
  - Used Apache Spark running on Hadoop to implement and test different algorithms which are used to solve multiclass classification problems
- **NASA Jet Propulsion Laboratory (JPL), California Institute of Technology** Pasadena, CA  
*Student Independent Research Intern Program* Feb 2018 – May 2018
  - Used Kafka Streams framework and Java programming language to implement a streaming application to process real-time data

## SKILLS

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- **Programming Languages:** Java, Python, C++/C, SQL, Scala, JavaScript, bash (shell scripting), PHP
- **Technologies:** UNIX (Linux, macOS), git, GitHub, vim, Apache Spark, Apache Hadoop, Apache Kafka

## EXTRACURRICULAR ACTIVITIES

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- **Electrical and Computer Engineering honor society** Berkeley, CA  
*Member* Feb 2019 – Present
  - Helped to prepare materials for a DeCal class, Going Down the EECS Stack

## HONORS AND AWARDS

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- **University of California, Berkeley** Berkeley, CA  
*Cal Alumni Association - Achievement Award Program* Jul 2018