

JUSTIN “TREY” VON GORTLER

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EDUCATION

Lakeside High School, Seattle, WA

May 2015

University of San Diego (USD)

San Diego, CA

Bachelor of Science/Bachelor of Arts, Computer Science, Behavioral Neuroscience

May 2019

GPA: 3.56 • Dean's List: First Honors (Fall '15 - Spring '16), Second Honors (Spring '17) • NSF S³ STEM Scholar

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Discrete Math
- Multivariable Calculus
- Intro to Computer Systems
- Embedded Software Development
- Biopsychology
- Statistics
- Foundations of Cyber Security

SKILLS

- Highly proficient in Java, over two years and four courses of experience.
- One year and two courses of experience in C, including MCU development.

PROJECTS

Java - (Data Structures & Algorithms)

- Utilized dynamic programming and backtracking concepts to solve arbitrary sudoku puzzles given a set of initial parameters.

C - (Intro to Computer Systems)

- Created a cache simulator based on user given cache line block size, sets per cache, and cache lines per set, tracking hits, misses and evictions. Provided extensive practice debugging via gdb.

MCU Development - (Embedded Software Development)

- Implemented state machines on a STM32 Nucleo board to read in a character array & produce the Morse code via LED light.

WORK EXPERIENCE

Research Assistant, The Scripps Research Institute

January 2018 - Present

- Studying the molecular mechanisms underlying the degradation of cyclin E by SCF-Fbw7 and Pin1.

Career Ambassador, USD Career Development Center

August 2017 - Present

- Serve as first point of contact, in person and over phone, to welcome students, faculty, employers, alumni, and visitors.

Computer Science Peer Tutor, USD

September 2016 - May 2017

- Taught undergraduates in 1 on 1 and small group settings fundamental programming concepts and problem solving skills.

Tennis Coach, Northwest High-Performance Tennis, Kirkland, WA

September 2014 - Present (Seasonal)

- Developed excellent teaching and communication skills to effectively connect with different ages and learning styles.

Tennis Coach, USD Campus Recreation

January - May 2016

LEADERSHIP EXPERIENCE

President, Club Tennis, USD

Fall 2016 - Present

Event Coordinator, Psychology Journal Club, USD

Fall 2017 - Present

Executive Member - Community Outreach Chair, Beta Theta Pi, USD

Spring 2017 - Fall 2018

- Produced Beta Theta Pi fall philanthropy talent show raising over \$5,000 for Rady Children's Hospital San Diego