Daniel Bohen

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Education

University of Southern California (GPA: 4.0)   **Aug. 2021-May 2025**
Bachelor of Science in Computer Science, Minor in Mathematical Finance   *Los Angeles, California*

Redlands High School (GPA: 3.9)   **Aug. 2016-June 2021**
High School Diploma   *Redlands, California*

Experience

BOTS/CS Assistant   **Sep. 2021-Present**
USC Viterbi School of Engineering   *Los Angeles, California*
- Communicate complex coding concepts in engaging and simplified presentations for 2 dozen elementary school teachers in a year long series of professional development sessions
- Develop fundamental coding practice activities, using feedback from each session to adjust and create future activities
- Support teachers during classroom lessons through troubleshooting and assisting with students' individual questions

Technology Assistant   **Jan. 2021-Aug. 2021**
Inland Harvest   *Redlands, California*
- Assisted with technology use at Inland Harvest, an organization primarily consisting of retired volunteers
- Improved their methods of reporting donations through automating parts that were often reentered repetitively
- Organized their financial documents on google sheets and standardized their recording methods, making it possible to automate aggregate data

STEM/SAT/History Tutor   **July 2015-Aug. 2021**
Excellibur Tutoring   *Redlands, California*
- Founding member of a volunteer tutoring organization with a primary focus on providing free math, science, and programming tutoring for individuals in low income communities
- Developed and executed individualized lesson plans for over 15 students to meet their personal education goals
- Separately offered private tutoring to high schoolers in AP Micro/Macro Econ, AP Calculus BC, AP US History, and AP European History, among other subjects

Private Tennis Coach   **Jan. 2017-Aug. 2021**
Self   *Redlands, California*
- Coached more than a dozen players with no experience to become intermediate/advanced players
- Mentored 5 students who went on to play at the high school varsity level, and several others who went on to play at the junior varsity level
- Managed the Redlands High School Girls Tennis team, assisting with scheduling, strategy, and coaching

Technical Skills

Languages: *Proficient:* C++ , Python {pandas, numpy} | *Experience:* Node.JS, Java, HTML, LaTeX
Developer Tools: Microsoft Visual Studio 2019, VS Code, JupyterLab, GitHub
Technologies/Frameworks: Autodesk Fusion 360, Windows, Microsoft Office Suite, Google G Suite, QuantConnect

Relevant Coursework

- CSCI 170: Discrete Methods in Computer Science
- MATH126: Calculus II
- AP Statistics
- CSCI 103: Introduction to Programming
- AP Computer Science A
- AP Computer Science Principles

Leadership & Involvement

QuantSC Member (Sep. 2021-Present):
Developer on a team focused on implementing a pairs trading strategy using machine learning in QuantConnect
Redlands High School Varsity Tennis Captain (Aug. 2017-June 2021):
Citrus Belt League Finalist (10th, 12th) | All Area First Team (2019, 2021) | 1st Singles (2020, 2021)
Redlands High School Speech & Debate (Aug. 2018-June 2021):
Competed in Parliamentary Debate & Impromptu Speaking. Attended ~20 tournaments including a Berkeley Invitational