

Samuel Andrew Bondoc

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Campus

567 E. Peltason Dr., Rm. #209
Irvine, CA 92617

Home

31421 Seminole St.
Temecula, CA 92591

EDUCATION

University of California, Irvine

Expected Graduation Date: *June 2021*

- **Bachelor of Science in Computer Engineering**
- GPA: **3.16/4.0**

SKILLS AND CERTIFICATIONS

- Coding - **JavaScript, Python, Java, C++, HTML**
- Tools - **IDLE, MS Visual Studio, Arduino, MATLAB**
- **ANSYS** (Rigid Body Dynamics)
- Design - **Paint.NET, Audacity, Photoshop**
- Foreign Languages - **Spanish** (Conversational)
- **Lean Six Sigma** (White Belt)

PROFESSIONAL EXPERIENCE

Intelliculture Committee Delegate (UCI Engineering Conference)

February 2019

- Collaborated and organized the design breakdown for a vertical precision agriculture project proposal as the program lead in a team with 5 other delegates in a conference of over 160 engineers
- Formulated an energy-conserving protocol for a wireless sensor network using variable sample rates and negative feedback loop-controlled nutrient sensor-to-distribution nodes

SOFTWARE DESIGN AND TEACHING EXPERIENCE

Hackathon Competitor (HackUCI)

February 2019

- Developed a user-oriented scheduling program for creating yearly study plans to meet graduation requirements on a per-quarter basis for UCI students using trend analysis of historical teaching plan data | **Python, HTML • IDLE**

Startup Founder (PackLock)

July 2018 – Present

- Creation/debugging of software and production of mechanism for locking device designed to protect delivered packages in a consumer-oriented IoT company | **Java, C++, HTML • Arduino • Paint.NET**

Violin Tutor (Self-Employed)

November 2017 – Present

- Private one-on-one critiquing and guidance for a growing number of beginning players tailored to the individual, including written and physical exercises designed to steadily increment progression

RESEARCH EXPERIENCE

Undergraduate Research (University of California, Irvine)

September 2018 – Present

- In charge of code development and algorithm analysis for thermal topology optimization in nanoscale materials and devices in the Nano Thermal Energy Research group (NTER) | **Python, C++ • MATLAB**
- Self-taught content from over 8 upper-and lower-division courses during the fall quarter of first year of college

EXTRACURRICULAR ACTIVITIES

UCI Symphony Orchestra (University of California, Irvine)

September 2018 – Present

- Auditioned and qualified to play as Violin II, 2nd stand out of 16 select violinists in one of the university's premier large performance ensembles predominantly filled with music majors and seasoned musicians