**J****acob Javier**

*California State University, Fullerton / Department of Biological Science*

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**EDUCATION**

**California State University, Fullerton (CSUF) Expected Graduation: December 2019**

*Bachelors of Science, Biological Sciences, Marine Biology*

Overall GPA: 3.24

# VOLUNTEER/ WORK EXPERIENCE

**Dr. Paig-Tran (Biomechanics, Biomaterial, and Biomimicry) August 2017 - *Present***

*Undergraduate Research Scholar*

*California State University Fullerton*

Systematically model fluid flow to understand the filtration mechanisms of neonatal whale sharks.

**Dr. Forsgren (Comparative Marine Reproductive Physiology)November 2015 – July 2017**

*Undergraduate Researcher*

*California State University Fullerton*

Compare reproductive morphologies between various species of rockfish found along the Southern California coast.

# PRESENTATIONS

**Society for Advancing Chicanos/Hispanics and Native Americans in Science (SACNAS)October 2017**

**Javier, J.\***, Suther, H.\*, Cook, B., Jaques, D., Jolly, A., Hoese, W., Zacherl, D. The Impact of Atmospheric River Events on *Ostrea lurida* and *Crassostrea gigas* Densities in Southern California Estuaries. Poster presentation October 2017 at the Society for Advancing Chicanos/Hispanics and Native Americans in Science (SACNAS) annual meeting, Salt Lake City, UT.

**Southern California Academy of SciencesApril 2017**

Sadighi, B.\*, Garia, C.\*, **Javier, J.\***, Jamal, H., Forsgren, K. A Preliminary Investigation: Comparative Morphology of Rockfish Urogenital Papilla. Poster presentation April 2017 at the Southern California Academy of Sciences (SCAS) annual meeting, Santa Monica College, Santa Monica, CA.

# MEMBERSHIPS

# Southern California Ecosystems Research Program (SCERP)May 2017 – *Present*

The Southern California Ecosystems Research Program (SCERP) is a preparatory research program for students pursuing career fields related to the ecological sciences. Three weeks of the program entailed intensive field work that was followed by data analysis, poster and oral presentations of the work, and contacting professors to pursue undergraduate research

# Beta Psi Omega October 2015 – *Present*

Beta Psi Omega is a nationwide professional Biology fraternity committed to provide students with connections and guidance to meet their collegiate and career goals.

**RELATED COURSEWORK**

**Biolog*y***: Independent Laboratory Study (*Dr. Misty Paig-Tran*), Directed Laboratory Study (*Dr. Kristy Forsgren*), Problems in Environmental Biology, Evolutionary Biology and Ecology, Ecology, Principles of Evolution

**Related Skills**: Fusion 360, 123D Design, MatLab 2018b, ImageJ, dissecting, paraffin wax histology, microtome sectioning, micropipetting, hematoxolyn & eosin staining

**LEADERSHIP**

**Beta Psi OmegaNovember 2015 - *Present***

*Vice-President of External Affairs*

Facilitate collaborations with external organizations to provide students associated with BPO with opportunities to grow academically, professionally, and socially.

*Pledgemaster/Academic Chair*

Plan and execute a semester-long pledging process to select eligible initiates to join Beta Psi Omega. Receive and analyze academic reports from all members to project how to better support members academically.

**AWARDS**

# Council on Ocean Affairs, Science & Technology Scholarship August 2017

# Dean’s ListDecember 2015