

# Luke Vincent Colosi

## Education

- 2016–PRESENT | **BS in Ocean and Atmospheric Sciences**, University of California, San Diego (UC-GPA: 3.54).
- 2016–PRESENT | **Minor in Mathematics**, University of California, San Diego (Minor-GPA: 3.714).

## Research Experience

- 2017–PRESENT | **Undergraduate Student Researcher - Scripps Institution of Oceanography**  
I am researching the intraannual variability of surface wave height and the effects of expansion fan wind regions including how these atmospheric conditions determine the dominant waves within the wave field. Advisors: **Sarah Gille**, Bia Villas Bôas.

## Publications and Presentations

- 2020 | **Colosi, Luke V**, Sarah T Gille, and Ana B Villas Bôas. The seasonal cycle of significant wave height in the ocean: Local vs remote forcing. *Journal of Geophysical Research: Oceans*, **in preparation**
- 2020 | **AGU Ocean Science Meeting**  
Poster presentation at Ocean Science Meeting in San Diego, California 2020.
- 2019 | **Undergraduate Research Conference - University of California, San Diego**  
Participant in the campus wide multidisciplinary research conference for undergraduate students where I presented to university professors and peers my ongoing research efforts to understand intraannual variability of surface gravity waves in expansion fan wind regions.
- 2019 | **SURF Symposium - Scripps Institution of Oceanography**  
Participant in the summer undergraduate research fellowship symposium where I presented a poster on the intraannual variability of surface gravity waves in expansion fan wind regions.
- 2018 | **Scripps Undergraduate Research Symposium - Scripps Institution of Oceanography**  
Participant in the Scripps undergraduate research symposium where I presented a poster on the preliminary result of the intraannual variability of global fields of surface gravity waves observed using satellite altimetry.

## Fellowships and Awards

- 2018 | **Summer URS Hiestand Scholars for cross-disciplinary Engineering and SIO projects**  
– Scripps Institution of Oceanography, University of California, San Diego
- 2017–2019 | **Provost Honors at University of California, San Diego** – Awarded during Fall 2017, 2018, and 2019, Winter 2019, and Spring 2017 and 2018 quarters.

## Work Experience

2018	<b>Coordinator for the Sandman Triathlon California State Parks, Santa Cruz, CA</b> – Assisted with organizing the Sandman Triathlon supporting California State Parks and was the head coordinator of the transition area.
2015–2018	<b>California State Parks Ocean Lifeguard, Santa Cruz, CA</b> – Monitor up to 300 beach patrons to ensure beach and aquatic safety. Monitored off-road recreational facility, Hollister Hills. Solely responsible for patrolling 3 miles of coastline. Executed medical procedures and aquatic rescues in communication with diverse agencies including Firefighters, State Park Rangers, and ground Ambulance. .
2013	<b>Seymour Marine Discovery Center Exhibit Guide, Santa Cruz, CA</b> – Educated the public about exhibits involving marine organisms in their ocean environment.

## Teaching Experience

2019-2020	<b>Software Carpentry Workshop</b> - Assistant for the Software Carpentry Workshop at Scripps Institution of Oceanography, San Diego, CA for Ocean and atmospheric science majors at UCSD. Certification for Software Carpentry Workshop instructor in April 2020.
2019	<b>Introduction to Academic Tutoring of Secondary School Students EDS 136</b> - Tutor for intermediate algebra at Gompers Preparatory Academy.
2015-2018	<b>Junior Lifeguard Instructor California State Parks, Santa Cruz, CA</b> - Educated 6 to 14 year olds on lifeguarding skills and lead discussions about ocean conditions and aquatic safety.

## Computational skills

OPERATING SYSTEMS	Unix-based operating systems, command-line, Bash, and Shell-Script.
PROGRAMMING LANGUAGES	Python and MatLab.
TOOLS AND SOFTWARE	LaTeX, VIM, and version control systems (Git).

## References

### Dr. Sarah Gille:

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