

## EDUCATION

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### University of Hawai i at Mañoa

Ph.D. in Oceanography, GPA: 3.66/4.00

– Advisor: Michael S Rappé

Honolulu, HI, USA

2018–Present

### Hawai‘i Pacific University

B.S. in Marine Biology, GPA: 3.86/4.00

– Graduated Magna Cum Laude

– Thesis: “Accumulation and Export of Organic Matter in Kañeo‘he Bay and its Associated Main Shipping Channel”

Honolulu, HI, USA

2014–2017

## EXPERIENCE

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### Hawai i Pacific University

Information Technology Assistant

– Assisted faculty and classrooms with technical difficulties.

– Assisted in the creation of work orders and work order escalation.

Honolulu, HI, USA

Spring 2015–Winter 2015

### Palau International Coral Reef Center Internship

Research Assistant Intern

– Assisted in data collection field work.

– Analyzed plate images for signs of coral recruitment.

Koror, Palau

Spring 2018

### Hawai i Data Science Institute

Graduate Research Fellow

– Took part in workshops related to various topics within datascience e.g. high performance computing clusters and the movement of large scale datasets.

– Presented research using large publicly available datasets to investigate the marine bacterioaplankton SAR86.

Honolulu, HI, USA

Fall 2020–Summer 2021

## PUBLICATIONS

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1. Tucker, S. J., K. C. Freel, E. A. Monaghan, C. E. S. Sullivan, **O. Ramfelt**, EGE Hoffman, Y. M. Rii, and M. S. Rappé (2020) Population dynamics of SAR11 marine bacteria across a temporally-sampled nearshore to open ocean transect. In review. Preprint available at <https://www.biorxiv.org/content/10.1101/2020.12.31.424995v1>

## CONFERENCE

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1. Tucker, S. J., Freel, K C., E. A. Monaghan, C. E. S. Sullivan, **O. Ramfelt**, EGE Hoffman, Y. M. Rii, and M. S. Rappé. Population dynamics of SAR11 marine bacteria across a temporally-sampled nearshore to open ocean transect. Presented at the ASLO Ocean Sciences Meeting, San Diego, California, USA, 16-21 February 2020.
2. Freel, K C., **O. Ramfelt**, S. J. Tucker, and M. S. Rappé. Characterization of the first cultivated strain of the SAR86 clade, isolated from the tropical Pacific Ocean. Presented at the ASLO Ocean Sciences Meeting, San Diego, California, USA, 16-21 February 2020.

3. Tucker, S. J., Freel, K C., E. A. Monaghan, C. E. S. Sullivan, **O. Ramfelt**, EGE Hoffman, Y. M. Rii, and M. S. Rappé. Time-series monitoring of the microbial food web within Kāneʻohe Bay and the surrounding open ocean. Presented at the 2019 Hawaii Conservation Conference, Honolulu, Hawaii, USA, 9-11 July 2019.
4. Freel, K C., S. J. Tucker, E. Monaghan, C. Sullivan, **O. Ramfelt**, and M. S. Rappé. Implementing high throughput cultivation to isolate abundant microbes in Kaneohe Bay, Oahu. Presented at the Marine Biotechnology Conference, Shizuoka, Japan, 9-13 September 2019.

## SCHOLARSHIPS AND AWARDS

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|---|-----------|
| • Hawaiʻi Data Science Institute Fellowship award                         | 2020–2021 |
| • Hawaiʻi Site Winner ACM-ICPC Division 2                                 | 2017      |
| • Hawaiʻi Pacific University Presidential Scholarship                     | 2014–2017 |
| • Hawaiʻi Pacific University Deans List Student                           | 2014–2017 |
| • Outstanding Academic Achievement Sigtuna Skolan Humanistiska Läroverket | 2011      |

## TEACHING

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|---|-----------------------|
| • <b>Teaching Assistant</b> at University of Hawaiʻi at Mānoa<br><i>Global Environmental Change Lab</i> | Fall 2018             |
| • <b>Teaching Assistant</b> at University of Hawaiʻi at Mānoa<br><i>Earth Systems Science Database</i>  | Spring 2019           |
| • <b>Teaching Assistant</b> at University of Hawaiʻi at Mānoa<br><i>Global Environmental Change</i>     | Fall 2019–Spring 2020 |

## SKILLS

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- **Programming:** Python, Java, Javascript, R
- **Tools/Techs:** Git, Docker, SQL, LaTeX
- **Web:** HTML/CSS, React, Hugo, JavaScript
- **Bioinformatics:** Anvi'o, GToTree, IQ-Tree, Bowtie2

## LANGUAGES

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- **English:** Native speaker
- **Swedish:** Native speaker

## VOLUNTEERING & MENTORING

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| • School of Ocean Earth Science Technology Open House<br><i>Participated in an exhibit about global ocean circulation made for younger interested students from local schools.</i> | Fall 2019           |
| • HPU Marine Mammal Stranding Program<br><i>Assisted in the preservation of samples and with transportation of mammals for scans</i>   | Fall 2014–Fall 2017 |
| • Make a Kid Smile Foundation<br><i>Assisted with outreach work during various school events to develop the initial program</i>  | 2012–2013           |