

Robert Marcus

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Education

CMU Mellon College of Science, 2018 - Present (intending math major)
Gap year, 2017-2018
Greens Farms Academy, 2013 - 2017

Extracurricular Activities

CMU Club Squash (Vice-President)
CMU Roboclub
Varsity Math Team, 12 (Captain), 11, 10, 9
Varsity Squash, 12, 11, 10, 9
Varsity Cross Country, 11 (Captain), 10 (Captain), 9 (Captain)

Awards/Honors

Connecticut Junior Sciences & Humanities Symposium People's Choice Award, 2017
Connecticut Science & Engineering Fair Barnes Aerospace Applied Technology Award, 2017
Sikorsky Aircraft Corporation Excellence in Science and Mathematics Award, 2016
Greens Farms Academy Roger B True Science Research Award, 2016

Technical Experience

Awstrol, independent research project, 2014-2017 - awstrol.com

- Evaluated accessibility and utility of powered exoskeletons for physically disabled. Using Solidworks, Mathematica, and other programs (self-taught), designed and simulated 90+ exoskeletons. Main focuses were elastic actuators, hybrid soft-hard construction, and making exoskeletons "smart" with modern sensor combinations.

HackCMU 2018 - weeat.us

- A web app to connect individuals looking for meal partners. Worked on back-end database with MongoDB and JS. Note: server no longer active.

Work Experience

Commercial Salmon Fisherman, Kasilof, Alaska, June - August 2017

- Deckhand on a salmon set gillnetting site for the duration of the two month Cook Inlet lower east side commercial season. One of three on a 16 foot skiff (F/V *Rambo*) managing six 75-fathom gillnets. Also, my first job ever.

Commercial Salmon Fisherman, Kodiak AK, August - October 2017, May - July 2018

- Deckhand on F/V *Shining Sea* (a 40' purse seiner). Piloted the skiff, managed safety drills, responsible for maintaining the quarter mile long net, and in charge of icing and quality control of salmon.
- Was invited back after the 2017 season to be the deckboss for the 2018 run.

English Teacher at Fundación Dones de Misericordia in Cartagena (Zona España and Turbaco), Colombia, November - January 2017-2018

- Worked as an English teacher at a male orphanage for victims of child trafficking and domestic violence between the ages of 6 and 17.
- Was the first English-speaker to work there, and created coursework for and led two two-hour classes of basic quotidian phrases and grammar five days a week.

Personal/Work Reference 1

Jennifer Parnell
907-539-6871
F/V *Shining Sea*

Work Reference 2

Krys Williams (hard to reach)
907-398-3819
krvilliams@gmail.com
Cook Inlet Quality Seafoods/F/V *Rambo*

