

# Project Proposal: Radio Driver for Oresat

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Course: Rust Programming

Instructor: Barton Massey

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I would like to opt out of the course project theme and instead write a radio driver for the Portland State Aerospace Society's (Oresat) satellite. This driver will be written in Rust and will interface with the satellite's onboard computer to manage radio communications. The project will involve understanding the existing hardware and software architecture of Oresat, designing a robust and efficient driver, and testing it in a simulated environment before deployment.