

**ECE 457- DESIGN PROJECT I**  
**FALL 2019**

**Name: Michael Benker**

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**Major:** EE

**Technical Skills:**

- **PCB design (OrCAD, Eagle)** – Began volunteer directed study of OrCAD for a project with a professor this summer. Excited to apply and improve this skill.
- **Testing, use of Lab Equipment** – Current experience as a research assistant in a lab has allowed for more opportunities to become comfortable testing and using equipment for electronics.
- **Proficient with MATLAB** – Enjoyed working with MATLAB in previous classes and hopeful to improve. Familiar with other programming languages but they were not of particular focus recently.
- **Electronics** - Currently an undergraduate research assistant at RF/Photonics lab at UMASS Dartmouth allowing for exposure to RF and analog electronics as well as some projects involving applications of radar.

**Project Interests:** (in order of interest)

1. Project ECE 9 – Acoustic Awareness Enabler
2. Project ECE 4 – Electronics for Side Scan Sonar
3. Project ECE 2 – 2019 DSP Underwater Acoustic Modem

**Comments:**

- Other students who have worked with me in a group can attest to my promptness in communication and initiative in ensuring that tasks are completed.
- Willing to step out of my comfort zone and learn.
- Good writer.