

Brad Saund

Education

- 2015–2016 **Master of Robotics**, *Carnegie Mellon*, Pittsburgh.
Biorobotics lab
Path planning and precision localiation in confined spaces
- 2008–2012 **BS Mechanical Engineering**, *Caltech*, Pasadena.

Experience

- 2014–2015 **Software Development Engineer**, *Amazon*, Seattle.
I created software for the Amazon Kindle E-Readers and Tablets.
- 2012–2014 **Robotics Engineer**, *Electroimpact*, Seattle.
I designed, built, and programmed robots that build airplanes
- 2010–2012 **Research Fellow**, *California Institute of Technology*, Pasadena.
Fluid Dynamics Research

Skills

- Programming ROS, C++, Java, Matlab, Python
- Deployment Deployment to production environments of both software and hardware to millions of machines (Kindle) and machines worth millions of dollars (aerospace robots)
- Robotics Path Planning, Sensor Fusion, Localization, Autonomous Vision and Navigation

Service

- 2013–2016 **Volunteer Mentor**, *FIRST Robotics*.
- 2011–2012 **President**, *Caltech Student Government*.

Publications

Bradley Saund and Russell DeVlieg. High accuracy articulated robots with CNC control systems. *SAE International Journal of Aerospace*, 6(2):1–6, 2013.

References

[Carnegie Mellon](#)
◦ Reid Simmons

[Electroimpact](#)
◦ Russ DeVlieg

[Caltech](#)
◦ Matthew Heverly