

# Josh Booth

## WORK EXPERIENCE

CURRENT, FROM JUN 2022 (FT)  
Microchip Technology  
**Technical Marketing Engineer**

Developed marketing material and messaging for microcontrollers full go-to-market strategies for 3 products, and

FEB 1991 – JAN 1995 (FT)  
Black Mesa Research Facility  
**Level 3 Research Associate**

This position involved transitioning from purely theoretical work to experimental applications utilising the immense resources of Black Mesa. The transition required an initial learning curve in hazard containment, health and safety procedures and operating experimental infrastructure. Manipulating valves, carts, buttons, levers, etc considerably increased my physical fitness.

JUL 1982 – DEC 1984 (PT)  
WashPests Limited  
**Pest Control Technician**

In this summer job I was tasked with helping eradicate pests from industrial areas. Work involved setting traps, spraying and physical eradication. I received praise for reaching difficult areas and my innovative use of a crowbar to assist in my work.

Chandler, AZ  
(717) 494-6466  
boothjmail@gmail.com  
joshbooth.us

## EDUCATION

2018-2022 **Computer Engineering**  
SUMMA CUM LAUDE; 3.98 GPA  
Bachelors of Science  
Shippensburg University of Pennsylvania

2018-2022 **Mathematics**  
Minor  
Shippensburg University of Pennsylvania

## AWARDS

1985 **Faculty of Science Masters Scholarship**  
Massachusetts Institute of Technology

1983 **Top Achiever Award – Physics**  
The University of Washington

## COMPUTER SKILLS

BEGINNER	Java, MS DOS
INTERMEDIATE	Javascript, Python, HTML, CSS, Microsoft Windows Computer Hardware & Support
EXPERT	Perl, Unix, L <sup>A</sup> T <sub>E</sub> X

## COMMUNICATION SKILLS

CONFERENCES	Oral Presentation at the Annual MIT Theoretical Physics Conference – 1987
POSTERS	Poster at the Meeting of the American Physical Society – 1985

## SKILLS

### Goal Oriented

I believe in action over long-winded discussions. I listen to everyone's viewpoints and use my judgement to immediately act based on consensus to achieve goals quickly and efficiently.

### Physical Dexterity

Manual manipulation of experimental equipment and training within Black Mesa (e.g. the Hazard Course) have contributed to an enjoyment of working with my hands.

### Passionate

I have been interested in theoretical physics such as quantum mechanics and relativity from an early age. My education and research have cemented this interest into a passion. I greatly enjoy carrying out fundamental physics research with potential practical applications.

## PUBLICATIONS

---

**Freeman, G. R.** (1996). Chemistry of Multiply Charged Negative Molecular Ions and Clusters in the Gas Phase: Terrestrial and in Intense Galactic Magnetic Fields. *The Journal of Physical Chemistry*, 100(11), 4331-4338.

Jacobsen, F. M., Gee, N., **Freeman, G. R.** (1986). Electron mobility in liquid krypton as function of density, temperature, and electric field strength. *Physical Review A*, 34(3): 2329-2335.

### *Publications by DOI*

1996    **doi:10.1021/jp951483+**

1990    **doi:10.1139/p90-097**

1986    doi:10.1139/v86-297  
doi:10.1103/PhysRevA.34.2329

*First author publications in bold*