

# Dave Zucker

dave@dsz123.net • (206) 661-6634

As a talented problem solver with a wide breadth of skills, both technical and managerial, I'm seeking a challenging position in the product design or technology development field.

## Work Experience

---

**Mechanical Engineering Consultant** Jul 2011 – Present

- Various projects for *Panasonic Avionics*, *Microsoft (XBOX)* and others.

**Microsoft Hardware – Mechanical Engineer** Jan 2008 – Jun 2011

- Lead mechanical engineer for the *Arc Touch Mouse* and *Lifecam Cinema Web Camera*, Microsoft Hardware's flagship products for 2009 & 2010.
  - *Arc Touch Mouse*: Sleek, thin design incorporates a unique hinge mechanism and a novel scroll strip with force-feedback. In the permanent collection at the Smithsonian Cooper-Hewitt Museum. 2011 Red Dot and IDEA design award winner.
  - *Lifecam Cinema Web Camera*: Microsoft's first HD video product.
- Created innovative mechanical designs both at the feature and product level for mice, keyboards and webcams, from concept to production, using Pro/Engineer.
- Traveled extensively to Taiwan and China to oversee development and fabrication, coordinating Tier 1 and 2 manufacturers and solving production issues on-site.

**Synapse Product Development – Mechanical Engineer** Dec 2005 – Jul 2007

- Led teams on fast-moving projects from prototype development to full production for clients:
  - *Microsoft*: Created working prototypes for several new products and user interfaces.
  - *Exbiblio*: Designed an innovative, pack-of-gum-sized text scanner.
  - *ComSonics*: Developed a cable television signal meter from concept to production.

**CPO Science – Industrial Designer** Jan 2003 – May 2005

- Created new additions to CPO's line of lab equipment for middle & high school science classes.

**Bluefin Robotics – Mechanical / Software Engineer** Aug 2001 – Dec 2002

- Designed, modified & manufactured parts for Bluefin's autonomous underwater vehicles.

**PatientKeeper – Software Engineer** Sep 1999 – Mar 2001

**VenturCom – Software Engineer** Jul 1998 – Sep 1999

**NIST – Software Engineer** May 1994 – Aug 1995

## Education, Patents & Publications

---

**B.A. Cum Laude with Honors in Physics.** Brandeis University. 1998

**Four patents pending**, covering various mouse and keyboard features. 2008 – 2010

**Mandarin Chinese:** Ongoing tutoring in Mandarin Chinese. 2009 – 2011

**Authored various articles**, published in physics textbooks and journals. 1997 – 2005

## Interests & Hobbies

---

Avid ultimate frisbee player, photographer, cyclist, traveler, tinkerer, juggler, swing dancer, woodworker and prize-winning knitter. Volunteer tutor/mentor and science fair judge.

References & portfolio available on request.