

JONATHAN ALAN BYRON

132 Jalisco Pl,
Davis, CA 95616
(530) 219-8354
byron2fluid@yahoo.com

OBJECTIVE:

Position in ocean instrumentation or submersible robotics.

EDUCATION:

- **B.S. Mechanical and Aeronautical Engineering** (double major)
University of California, Davis
GPA: 3.11
- **Currently:** Pursuing Masters Degree in Ocean Engineering
University of Rhode Island
Masters of Science expected August, 2007
- **Course Work Fields**

Engineering Graphics	Aerodynamics (computational and applied)
Mechanical and Aerospace Design	Electrical Instrumentation
Manufacturing Processes	Control Systems
Dynamic systems	Microcontrollers
Thermo and Fluid Dynamics	Oceanographic data collection

SKILLS:

- **Computer:**
Experience with Solid-Works, IDEAS, Matlab, Orcad, Photoshop, Microsoft Office
- **Electronics:**
Experience with basic language microcontrollers, analog and digital sensors, data logging, actuation and control systems, power distribution.

SPECIAL PROJECTS:

- Member of the URI AUV team, participating in the 2005 AUV competition hosted by AUVSI. Aided in design and construction of power distribution system, and construction of acoustics electronics.
- Various hobby ROV designs, beginning with a high school independent research class.

WORK EXPERIENCE:

- **Undergraduate Research Assistant**, UCD Mechanical and Aeronautical Engineering Dept. (Summer 2001 – Fall 2004)
Assist in and conduct Turbulent Boundary Layer Wind Tunnel tests for gas dispersion and pedestrian level wind speeds for new buildings and developments, Also aided in research and experimentation of Martian dust particle saltation and abrasion through NASA Ames.
- **Teaching Assistant**, URI Ocean Engineering Department (September 2004 – June 2005)
Assist in the teaching of undergraduate students in ocean instrumentation laboratories.
- **RIME GK-12 Fellowship**, Office of Marine Programs, URI GSO (June 2005 to June 2006)
Fellowship partnering teachers in the Rhode Island k-12 curriculum with graduate students to bring education of current marine and environmental sciences to the classroom.
- **Lab Assistant**, URI Ocean Engineering Department (September 2006 to December 2006)
Assisted in the setup of a university PCB design and surface mount laboratory.

References Available Upon Request