

## Lucas Gray

(619) 298-3903

4068 ½ Ingalls San Diego, CA 92103

Lucas.Gray@gmail.com

### EDUCATION

Ocean Engineering and Naval Architecture Co-operative Program  
Memorial University of Newfoundland  
Graduated Engineer BE September 1996 - April 2002

San Diego City College  
January 2003 – April 2003  
Attended Introduction to Business Law Course

### PREVIOUS RELATED EMPLOYMENT

Dec2002 – Aug2004  
YachtOutfitting  
www.yachtoutfitting.com  
Mike Canrinus

Technician at Shelter Island Boat Yard,  
San Diego

- Installed Bow & Stern Thrusters, Stabilizer Fins, Generators, Electrical Panels, Watermakers, Inverters, Air Conditioners, Radars, and numerous yacht equipment.

Jan - Apr 01  
CSO-Aker Maritime, Inc.  
http://www.akermaritime.no  
Courtney Puvin

Offshore Service Providers, designers of  
SPARs and other Offshore Platforms.

- Worked on Hydrodynamic design of DPS-2001-5
- Utilized programs such as WAMIT, SESAM, SACS, STRUCAD, Visual BASIC, Visual FORTRAN, ANSYS on a variety of different projects.

Sep - Dec 99 Apr - Aug 00  
Institute for Marine Dynamics  
National Research Council Canada  
http://www.C-SCOUT.net  
Dr. C. Williams

Ocean Technology Research and  
Development.  
Underwater Vehicles Division

- Fabrication and Design work on the AUV C-SCOUT including but not limited to:
- Machining of the modular sections and pressure hull and complete assembly
- Initial Ballasting and installation of Buoyancy foam and free flood holes.
- Design and Machining of fin actuators motor housings
- Preliminary underwater cable selection, and installation
- Temporary internal computer arrangement and assembly
- Mounts for sonar, thrusters, pressure hull, as well as various other systems associated with an AUV

Jan - Apr 99  
Collins Engineers  
<http://www.collinsengr.com>  
Dan Cecchi

Civil Engineering firm specializing in  
Underwater Bridge Inspection.  
80% of Engineers certified divers.

- Quality checking and assurance of underwater bridge inspection reports and assembly of final reports
- Team member of field survey group on survey mapping of river construction sites
- Calculations and data file data entry and checking

May - Aug 98  
XL-Engineering Corp.  
<http://www.xleng.com>  
Paul Pirkos

High tolerance Machine shop  
Manufacturing primarily Medical  
And Aerospace parts

- Operated CNC Mills and Lathes and many other production related equipment
- Inspected and calibrated most company inspection equipment
- Did final inspection review on parts before shipping as well as initial inspection on parts received from contracted vendors

## **SKILLS / EXTRA-CURRICULAR ACTIVITIES**

- Approximately one year of machine shop experience
- Have had significant exposure to programs such as, Cadkey R13, Auto Cad 2000/2004, Solidworks, WAMIT, SESAM, SACS, STRUCAD, ANSYS, Matlab, FORTRAN, BASIC, Windows, Microsoft Office programs, and many other useful programs.
- GrayOcean.com
- 1998-2001 Atlantic Navigators, Autonomous Underwater Vehicle design team Hull concept and fabrication of a 70Kg AUV
- 1999-2004 Member of SNAME- Attended 2001 conference in Orlando Fl
- 2000 – 2002 follower of Psubs.org list-serve
- 2001 – 2002 Senior Design project- Design and prototype construction of a 2Kg 12VDC Diver Operated ROV
- 2002 North Western Chicago- Stanton Hobby Balsa-wood bridge Competition - Champion