

L. W. Jameson Tai

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Education:

Florida Institute of Technology 2005 ~ 2010
Bachelors of Science in Mechanical Engineering Melbourne, FL
Studied in solids modeling, robotics and automated manufacturing

Professional Development:

Mechanical Design and Fabrication Team Member Aug. 2009 ~ Dec. 2010
The Robotics Club at Florida Institute of Technology Melbourne, FL
Designed a tethered underwater robot for the 2010/2011 MATE International ROV Competition.
Designed mechanical frame and calculated potential thruster heat dissipation issues and over-temperature prevention. (<http://flsvr.com/raft>)

Project Leader and Fabrication/Testing Sub-Team Leader Aug. 2008 ~ May 2009
Florida Institute of Technology Robotics & Spatial Systems Laboratory Melbourne, FL
Designed and fabricated robotic arm extensions for an autonomous mobile robot to open doors and press buttons to assist handicapped individuals. Responsible for programming, hardware fabrication, and project management. (<http://flsvr.com/pantherbot>)
Publication: Tai, L., Rae, W., Nunn, J., Larochelle, P., "Design and Implementation of Building Navigational Tools for the PantherBot Mobile Robot", *Proceedings of the 2009 Florida Conference on Recent Advances in Robotics*, Jupiter, Florida, May 21-22, 2009.

Review Committee Member, Webmaster Aug. 2007 ~ May 2008
2008 Florida Conference on Recent Advances in Robotics Melbourne, FL
Reviewed technical papers and maintained conference website. (<http://flsvr.com/fcrar2008>)

Associate Designer May 2007 ~ Jul. 2007
Florida Institute of Technology Robotics & Spatial Systems Laboratory Melbourne, FL
Programmed the Motoman V3X robotic arm and designed mechanism to increase dexterity of V3x arm necessary to fold origami objects. (<http://research.fit.edu/rassl>)
Showcase Presentation: Tai, L., Schuler, J., Concha, D., Mandeville, K., Berry, M., Toon, J., St. Germain, C., "RoboGami", *Proceedings of the 2008 Florida Conference on Recent Advances in Robotics*, Melbourne, Florida, May 8-9, 2008.

Team Leader and Head Designer Aug. 2005 ~ Mar. 2006
Florida Institute of Technology Robotics & Spatial Systems Laboratory Melbourne, FL
Designed, machined, modeled, and assembled mobile robot for the Florida Tech Golf Ball Frenzy III Robotics Competition. (<http://flsvr.com/team2>)

Professional Skills:

- **Microsoft applications:** Office 2010, Expression Studio 4, as well as Office Live applications
- **Programming Languages:** C++, MATLAB, YASNAC Motoman Robotic Arm Programming
- **Markup Languages:** HTML, Wikitext, BBCode, LaTeX
- **Solids Modeling Applications:** Pro|Engineer Wildfire 5.0, SolidWorks 2009, AutoCAD R14
- **Computer-Aided Engineering Applications:** ANSYS Release 11, COSMOSWorks 2009, COMSOL 3.4
- **Engineering and Technical Applications:** WinEdt, TeXmaker, MATLAB R2010b, DYNACAM, FOURBAR
- **Media programs:** Flash 5, Photoshop CS5, Illustrator CS5, InDesign CS5, Inkscape, Jasc Paint Shop Pro 9
- **Machine Shop Certification:** Florida Institute of Technology Machine Shop Certification

Languages:

Fluent (speak, read, and write) in:

- English
- Chinese – Mandarin and Cantonese

Employment History:

Assistant Store Manager
Eddie Bauer, LLC

March 2011 ~ Present
San Francisco, CA

Responsible for setting the pace on the selling floor as a sales leader; ensuring associates are coached, trained, & developed according to the selling & customer commitment behaviors so as to ensure an outstanding customer experience & sales results.

Manage the stores overall daily operational processes, ensuring company expectations, policy and procedures are in place for the following:

- Proper opening/closing of the store and management of facility maintenance and store housekeeping
- Timely & accurate processing of outbound media and effective supply & packaging ordering

Manage overall Loss Prevention processes as follows:

- Consistent adherence to all Critical Controls and effective planning & execution of the inventory process
- Effective training of associates in all areas of LP and shoplift prevention
- Maintaining Ethics & Compliance Awareness Center

Manage Stockroom & Shipping/Receiving area organization to support the sales floor & maximize sales opportunities ensuring:

- Accurate receiving, auditing & shipping functions paperwork reconciled weekly
- Flow product to sales floor and timely execution of merchandise consolidations & transfers
- Training, coaching & development of stock lead/stock team and management of Shipping/Receiving desk

Manage tools & ensure daily communication occurs providing pertinent information to all levels by maintaining in-store communication tools per company standard operating procedures

Manage the store's overall event planning & execution, ensuring company expectations, policy, procedures & training are in place for the following:

- Effective set up & launch of promotional and sale events including customer promotions, associate contests, & product goal tracking as applicable.
- Management of Best Customer Book

Bookstore Clerk
Barnes & Noble College Booksellers

May 2006 ~ March 2009
Melbourne, FL

Worked at the Florida Tech Bookstore as a general clerk, maintenance of cash registers, inventory management of general merchandise and textbooks, and operating the bookstore utilizing Lotus Notes, AS400, Intrepid, and other bookstore software.

Laboratory Personnel
Florida Institute of Technology Robotics & Spatial Systems Laboratory

Aug. 2007 ~ May 2008
Melbourne, FL

Performed research at the Florida Tech Robotics Lab with mobile robotics as well as spatial system design as part of the Florida Tech On-Campus Federal Work Study program.

Extracurricular Activities:

Photographer, Contributing Editor, and Webmaster
The Florida Tech Crimson

Jan. 2010 ~ Dec. 2010
Melbourne, FL

Photograph various campus events, assist with layout editing, image processing and write campus life and science/technology topic articles. Redesigned and upgraded website to WordPress. (<http://crimson.fit.edu>)

Interim Executive Assistant/Secretary, Webmaster
The Robotics Club at Florida Institute of Technology

Aug. 2008 ~ Dec. 2010
Melbourne, FL

Acted as interim executive assistant in Fall 2008 to facilitate new officers, updated organization constitution and introduced a package of bylaws as operations handbook to improve organization functions. In Spring 2009, I became secretary and webmaster of the organization, introducing to the organization the MediaWiki software package and installed the R@FT Wiki. (<http://flsvr.com/raft>)

Vice President
Florida Tech Student Government Association

Aug. 2007 ~ Dec. 2007
Melbourne, FL

Acted as Speaker of the Senate during Student Government meetings and prepared Florida Institute of Technology for its fiftieth anniversary. (<http://activities.fit.edu/sga>)