

# Brian Sit

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## Skills Summary

- Matlab & Mathematica
- Acrobat & Photoshop
- Certified Kingian
- Aldelo Systems
- Advanced Microsoft Office (Project, Visio, Publisher)
- Computer Systems Repair
- Nonviolence Trainer
- Conversational French
- VBA & Macro Coding
- Radiation Safety Certified
- Safe Zone Training
- Fluent in Cantonese Chinese
- Front Desk Operations
- WASP Inventory Systems

## Education

UNIVERSITY OF RHODE ISLAND | CHEMICAL ENGINEERING & NUCLEAR ENGINEERING MINOR | CUM LAUDE

B.S. in Chemical Engineering concentrating in Pharmaceuticals with a Nuclear Engineering Minor

Activities and Societies: President of the Gay Straight Alliance; AIChE, Student Senate Executive Board

EAST GREENWICH HIGH SCHOOL | GPA: 3.78 | 2010

## Special Projects

Equipment Runtime and Performance Profiling with Steve Cahill at Toray Plastics America | Summer 2014

Program automated statistics analysis using MiniTab, Excel, VBA, Plugins & Macros to predict and identify long term trends.

Identified the leading causes of downtime based on specific starting conditions to reduce break frequency by 25%

Probiotic Plant Design Senior Project | Fall 2013 – Spring 2014

Project leader for a proposed a complete Lactobacillus Probiotic plant design with fully specified equipment lists, plant lay out, mass and energy balances, and financial analysis. Furnished PID and reports detailing the production process with design rationale.

Toray Cogen Plant Analysis with Dr. Nassersharif | Spring 2013

Evaluated alternative heat rejection methods for the new proposed Cogen plant for possible cost savings and efficiency benefits.

Initial Commissioning of Plant Equipment with Stacey Snow | October 2013

Analyzed a new CSTR and Batch reactor for defects and design flaws, Prepared purchase lists, Calibrated pumps, Wrote new SOPs.

New Restaurant Concept for Village Restaurant Group | June 2014 - Present

Develop new designs, menus, and operations for a new Contemporary American Restaurant & Club for Downtown Providence.

Create a cohesive environment with lighting design and material selection for a rapid 3 month development opening in Sept 2014.

Design and Construction Consultant for Russell Hryzan | March 2012 – June 2014

Assist the general contractor for a custom half million dollar new construction house in Providence. Provide initial designs and floor layouts, bring together subcontractors for the framing and painting, and act as principal interior designer.

## Experience

Technical Development Intern at Toray Plastics America | May 2014 – September 2014

Develop and Collect data using Plant Applications, GE Proficy, Dr. Schenk Film Inspection System, and Beta Profile Scanner in Six Sigma projects reducing equipment downtime. Correlate and Profile transverse film tensile strengths with automated profile scans and reduce baggy edge formation. Create automatic statistical analysis applications and macros to find trends in film production.

Finance Chair of the URI Student Senate Inc. | March 2013 – November 2014

Control, Invest, and Allocate the Senate's nearly \$2 million dollar annual budget. Rewrote the financial policies governing student groups and Senate to reduce bureaucracy. Serve as the CFO and Comptroller of the Student Body. Improved efficiency of the school newspaper by reducing overprinting and negotiating with unionized employees saving \$42,500 per year. Implement a check in - check out system for intergroup inventory borrowing. Hire and supervise Inventory managers and Computer technicians.

Manager and Designer at Village Restaurant Group and Hong Kong Restaurant Inc. | May 2013 - Present

Produce Large Banners, Palm Cards, Full Page Ads, and Fliers for Restaurants and Clubs. Portfolio available at [www.sitmonkey.com](http://www.sitmonkey.com)

Manage Front End Staff, Menus, and Bar Inventory. Interviewing new hires. Manage all POS & IT Systems.

Systems Administrator and Advocacy & Activism Leader at University of Rhode Island June | 2011 – May 2013

Administer, Maintain, and Procure all the technology for the LGBTQ Center including the Public Access Computers & Website.

Facilitate large group SafeZone trainings, Design the Curriculum and Run the OutSpoken Speaker's Bureau.

Math & Physics Academic Enhancement Advisor at University of Rhode Island | January 2012 – December 2012

Tutoring for a diverse group of ~15 students in subjects ranging from finite mathematics to basic fluid mechanics.

## Unique Coursework

- Powerplant System Design and Safety Analysis
- BioNanotechnology & Physical Metallurgy
- Nuclear Fuel Cycle, Engineering, & Thermal Hydraulics
- Chemical Kinetics and Reactor Design
- cGMPs in Manufacturing & Pharmaceutical Production
- Molecular Cell Biology & Biochemistry

## Honors and Awards

Steven Myles Scholarship for Social Justice | Center for Nonviolence and Peace Studies – June 2011

Diversity Award for Outstanding Leadership | Multicultural Center – June 2012

Highest Scoring Overall Scholastic Student | Academic Decathlon of Rhode Island – March 2010

Overall Highest Scoring in Chemistry, awarded Gold in: Economics, Math, Chemistry, Social Science, Music