

JUSTIN YOO

JYOO@GARDNERGROFF.COM

EXPERIENCE:

06/09-Present: *Mechanical Specialist, Gardner, Groff, Greenwald & Villanueva PC, Atlanta, Georgia*

Preparation and Prosecution of US and International Patent Applications in the mechanical and electromechanical arts.

- Drafted and prepared provisional and non-provisional patent applications in the areas of mechanical arts, business methods, internet technology, and material sciences
- Conducted patent searches and scrutinized prior art references to understand, determine, and compare the scope of prior inventions to present patent applications
- Drafted and prepared responses to U.S.P.T.O. office actions, formulating patentability and patent examination procedure protocol arguments in the clients' best interest
- Collaborated with Senior and Junior attorneys and associates to learn and understand patent prosecution protocol and best practice procedures

01/09-05/09: *Senior Design Team Member, Mechanical Engineering Senior Design Project, Atlanta, Georgia*

- Collaborated and worked with Air Products and Chemicals, Inc. Senior and Junior engineers on a weekly basis to analyze and design a cryogenic tunnel freezer and to update engineers on recent project developments
- Performed and calculated myriad engineering analyses and experiments to ensure tunnel freezer technical specifications met customer requirements
- Drafted progress reports and prepared presentations to senior design class section to inform peers and mentoring professor of project progression and developments

05/08-08/08: *Southface Intern, Southface Energy Institute, Atlanta, Georgia*

- Assisted Commercial Green Building Services Project Manager on CAD, construction, and design projects
- Collaborated with engineers and technical associates in a team environment to calculate engineering values, research information, and create documents used for Eco Office energy models and LEED 2.1 documentation
- Worked and collaborated with Professional Engineer to create a short and long term energy measurement and verification plan template for future LEED building projects
- Led and coordinated various facilities projects with fellow interns to expedite completion of Eco Office
- Created and presented 3D models to visually convey facilities renovations projects to managers and staff

05/06-05/07: *Commute Atlanta Study Undergraduate Assistant, Georgia Tech Civil and Environmental Engineering Department, Atlanta, Georgia*

- Worked with Georgia Tech Research Engineers to collect and analyze data regarding Commute Atlanta Study participants' driving behavior and driving patterns
- Maintained and updated Commute Atlanta Study participant information database
- Responsible for preparing and sending monthly Commute Atlanta Study informational updates and developments to Commute Atlanta Study participants
- Drafted and edited summary on data collection methodology and analysis protocol for Commute Atlanta Study research paper

EDUCATION:

The Georgia Institute of Technology, Graduated 05/09

- Bachelor of Science in Mechanical Engineering with Honors, GPA: 3.30/4.00
- HOPE Scholarship Recipient and Dean's List
- Relevant Coursework: ME 3057, ME 4053, and ME 4182 – Technical writing and report and presentation preparation

Activities

- Pi Tau Sigma Mechanical Engineering Society Nu Chapter Member
- American Society of Mechanical Engineers Member
- Georgia Tech Engineering Students Without Borders Member
- Atlanta Habitat for Humanity Volunteer