JESSICA ALBERT

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Education

Bachelor of Science: Computer Science **Fall 2018 - Present**
Oregon State University **Online**
GPA: 4.0

Bachelor of Science: Chemical Engineering **May, 2015**
University of Illinois at Urbana-Champaign (UIUC) **Urbana, IL**
GPA: 3.21

Projects

Beaver Hacks Hackathon **12/2018**

- Collaborated with group of 4 people to develop a menu driven C++ console app that imported 5000+ movie titles from an online database, allowed the user to search movies by title, genre, director, add movies to a cart, and check out.
- Winners of best C++ console application project
- **https://github.com/KitchMKelly/Team-9-OSU-Hackathon-Winter-2018/graphs/contributors**

Ants VS Doodlebugs (Group project within advanced C++ course) **02/2019**

- Functioned as project leader by facilitating initial meeting to distribute work, develop program plan, etc. Worked out a project schedule to fit individuals' personal schedules.
- Contributed heavily to move function flow, memory leak debugging, final project testing.
- **https://github.com/supermop3000/Group4Project**

Hack-A-Pipeline Hackathon **05/2019**

- Collaborated with a team of 5 software developers and the CIO of the City of Milwaukee to develop Amazon Alexa skill that would return the closest public library or police station to the user in addition to a skill that tells the user whether or not they need a permit from the city for a given project.
- Personally contributed to data cleansing and formatting, wrote functions for determining minimum distance between user's location and library/police station locations.
- Won 2nd place in the competition
- **https://askmilwaukee.carrd.co/#the-team**

Professional Experience

Resin Process Engineer **10/2016 to Current**
PPG Industries **Oak Creek, WI**

- Manage ERP system (Oracle R12) implementation for Resin Plant including converting legacy data, developing new plant processes, developing and participating in testing system environment.
- Function as Resin Plant Business Intelligence (BI) superuser, use existing subject area tables to design reports important for plant operations.
- Develop and deliver pertinent training to end users in new processes related to ERP conversion.
- Responsible for implementing automated Recipe Control on reactor PLC system. This includes developing, debugging, testing, and implementing pre-packaged phase step sequences that are analogous to manual steps an Operator would take during a resin batch.
- Function as a go-to Superuser for Oracle questions and troubleshooting during and after Go Live. Title also includes being a point-person for testing new enhancements to the Oracle environment.
- Process owner of 1-2 reactors that produce resins for industrial paints and coatings. Required to be an equipment and chemistry expert on the systems, frequently required to quickly troubleshoot process upsets both in person and over the phone.

Water Quality Engineer **02/2016 to 10/2016**
H-O-H Water Technology, Inc **Chicago, IL**

- Serviced and maintained industrial water systems (cooling tower, boiler, and closed loops) for HVAC and process applications throughout Chicagoland.
- Managed accounts totaling >$400,000 in sales per year by recommending and selling industrial water treatment chemicals and equipment for new and existing customers.

Process Engineer **06/2015 to 02/2016**
Chicago Bridge & Iron-Wabash Valley Gasification Facility (Decommissioned 05/16)**Terre Haute, IN**

- Assisted in control system crossover by converting legacy code to new ABB 800xA control system (DCS/ECS), reviewing, updating, and editing I/O functions, P&IDs, and graphics displays.

Research and Development Intern **05/2014 to 08/2014**
UOP-Honeywell **Des Plaines, IL**

- Successfully pinpointed reaction conditions and formulations that produced desired polyimides for olefin/paraffin membrane purification applications.

Production Intern **05/2013 to 01/2014**
Obiter Research, LLC **Champaign, IL**

- Handled all aspects of specialty monomer production process from raw materials to final product and shipment.
- Manipulated process variables to increase overall efficiency of the process, mainly focusing on the optimization of a wiped-film evaporator as well as the minimization of solvents used for product purification.