# Jim Truong

**Engineering Consultant**

Lansdale, PA - Email me on Indeed: indeed.com/r/Jim-Truong/56d315fac2ecad11

I am currently interested in a Senior Process Engineering position within the pharmaceutical field.
Authorized to work in the US for any employer

WORK EXPERIENCE

## Staff Engineer

APRO Resources - Ambler, PA - February 2013 to Present

Employed as a Control System Engineering Consultant supporting several Bulk Chemical Repackaging, Vaccine Manufacturing, and Vaccine Fermentation Facilities throughout the United States

• Investigated and authored deviation reports providing comprehensive evaluation utilizing risk analysis and root cause analysis tools, created corrective and preventative action reports (CAPAs), and developed technical memos in a cGMP automated syringe filling, inspection and packaging segment for a vaccine manufacturing facility.

• Oversaw a Process Qualification (PQ) of a bulk chemical blending system and provided technical support for a new process.

• Executed an Automation Installation Qualification (AIQ) for a clean steam generator skid (PLC), Requirement Traceability Matrix (RTM), and Quality Automation Summary Report (QASR)

• Validated automation of a downstream recovery debottlenecking project (DeltaV) by testing phases, control modules and recipes and created final reports

• Developed and executed technical documents of Detailed Design Specifications (DDS), Functional Requirement Specifications (FRS), Installation Qualification (IQ), Operational Qualification (OQ), and Requirement Traceability Matrix (RTM)

Trained in control engineering applications such as Distributed Control Systems (DCS), Human Machine Interfaces (HMI), and Programmable Logic Controllers (PLC)

## Engineer II

Merck & Co., Inc. - West Point, PA - March 2012 to February 2013

Responsibilities

• Employed as a Technical Operations engineer supporting Gardasil®, Second Generation HPV Vaccine, and Recombivax HB®

• Authored technical documents, basis of design documents for automation control systems (DeltaV), and deviation reports

• Experienced in seed bag, 200 L, and 3,000 L fed-batch fermentation process and support systems (CIP and SIP)

• Assessed an Automation Process Qualification of a distributed control system conversion

Maintained extensive sampling procedures to support the qualification of the HPV Optimized Purification Process

• Experienced with PI, PI ProcessBook, Minitab, and LIMS

## Fermentation Engineer

Cherokee Pharmaceuticals LLC - Riverside, PA - January 2010 to March 2012

Responsibilities

• Employed as a Start-up engineer for an $11MM capital project on an accelerated schedule
• Conducted operator process-specific training for 50 operators and technicians
• Oversaw upstream and downstream operations
• Prepared Standard Operating Procedures, operating batch sheets, internal quality audits, energy cost saving audits and deviation reports
• Adept in process engineering and factory operations, and scale up to 150, 1,500 and 20,000 gallon fermentation vessels
• Gained a strong understanding of yeast, algal, and bacterial (i.e. E. coli, Rhodococcus, Paracoccus, Bacillus) fermentation
• Partnered with companies such as DuPont and Solazyme with large scale fermentation.
• Experienced with downstream recovery equipment (i.e. centrifuges, drum dryers, microfilters)

EDUCATION

### Bachelor of Science in Biological Engineering

College of Engineering and Agricultural Sciences
May 2009

ADDITIONAL INFORMATION

SKILLS
• Certified SolidWorks Associate: April 2009
• Fundamentals of Engineering Exam (EIT): April 2008
• MATLAB: For linear and non-linear systems of equations, numerical methods, matrix operations applied to bio-physical systems
• MS Office: All applications, especially Excel spreadsheet
• Visio: Creating process flow diagrams (PFDs)
• HAZOP • Operation Commissioning
• HACCP • Factory Acceptance Testing
• GMP Auditing • Change control
• Food GMP Training • Six Sigma Yellow Belt
• Interlock Commissioning • DOE and Safety training