Arthur J. Autz

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A problem solving and solution driven software engineer with experience in cloud and distributed systems

PROFESSIONAL EXPERIENCE

StrongArm Technologies   Brooklyn, NY
Software Engineer   August 2020 – Current
- Develop python scripts to automate data collection in production environment
- Design and scale new wearable sensor for the platform
- Collaborate on production tools from design, prototyping and fabrication

Litt Mobile   New York, NY
Software Engineer   November 2019 – December 2020
- Collaborate on Node.js mobile application
- Develop APIs using Django REST Framework

Columbia University – Department of Biomedical Engineering   New York, NY
Laboratory Manager   December 2014 – August 2020
- Lead design team to collaborate with laboratories on novel designs and research applications
- Advise Columbia Tech Ventures' Medical Center translational technology projects

Zahn Innovation Center   New York, NY
Lead Engineer   June 2013 – December 2014
- Mentor hardware startup teams on engineering design and manufacturability
- Develop products and assemblies through design, prototyping and fabrication

Medtronic – Endovascular   Santa Rosa, CA
R&D Engineer, Endovascular Division   June 2011 – September 2012
- Developed and implemented fatigue-test setup based on patient CT motion studies
- Designed LabVIEW data acquisition program for peripheral stent system

Technische Universität Wien – Institute für Fertigungstechnik (IFT)   Vienna, Austria
Research and Development Praktikant   June 2010 - Dec 2010
- Conducted R&D projects in the Machining and Mechatronics Laboratory
- Redesigned parts and assemblies for improved manufacturability

EDUCATION

Columbia University In The City of New York   New York, NY
M.S., Biomedical Engineering, GPA 3.88/4.0   May 2013

The Pennsylvania State University   University Park, PA
B.S., Engineering Science and Mechanics – Engineering Honors Curriculum, GPA 3.5/4.0   May 2010
    Study Abroad – Mérida, Venezuela   Spring 2008

SKILLS
- Python, Javascript, HTML, CSS, Node.js, MySQL, MongoDB, Ruby on Rails, React
- Agile development, AWS cloud services, BigQuery
- Programming and data acquisition, NI Certified LabVIEW Associate Developer
- CPR Certification, Wilderness First Responder, PADI Scuba Open Water Diver

LANGUAGES
    English, Spanish, German

AWARDS AND HONORS
    GEM Fellowship   April 2011
    International Engineering Award   May 2010
    Eagle Scout Award   March 2005