

Arthur J. Autz

111 Greenpoint Ave • Brooklyn, NY 11222 • +1 (917) 602-1260 • ajautz@gmail.com

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

