Alexander J. Vincent-Hill

EXPERIENCE

Solutions Engineer   Oct 2017 - present
Fetch (San Francisco, CA)
- Led labor savings and process improvement across agency stakeholders with technology solutions, process improvement, and documentation
- Documented and onboarded business processes to outsourcing vendors
- Deployed and improved React app productivity tools

Programmatic Coordinator   Feb 2017 - Oct 2017
Fetch (San Francisco, CA)
- Improved productivity $2MM by automating ad campaign creation and trafficking for internal databases, Fb PowerEditor, DoubleClick Search, DoubleClick Campaign Manager, and DoubleClick Bid Manager platforms. Project captured as a DoubleClick case study: https://www.doubleclickbygoogle.com/articles/fetch-aeg-presents-structured-data-files/
- Optimized Programmatic channel performance and developed and presented media strategy for clients
- Taught courses on Excel functionality including VBA macro scripting in San Francisco and London

Semiconductor Fab Process Engineer   Apr 2015 - Feb 2017
HP Inc. (Corvallis, OR)
- Assured quality of HP Inc. inkjet printer MEMS devices and the silicon etch process
- Brought new $3.2MM etch tool into production, and guaranteed process quality with chemical analysis, statistical comparison tests of downstream defect and yield data, and design of experiments
- Presented internal silicon micro-machining manufacturing methods to engineering and technical staff
- Created and optimized a new etch process for next-generation HP Inc. inkjet printing manufacture

Print Systems Engineering Intern   Summer 2014
Hewlett Packard Co. (Corvallis, OR)
- Investigated air generation in printer ink by designing a 3D-printed module to measure out-gassing as a function of surface temperature and fluid flow-rate to understand customer product failures
- Created a model to predict product failures currently used to focus resources on reducing high-risk product use

Undergraduate Researcher   2013 - 2014
Lawrence Berkeley National Lab (Berkeley, CA)
- Explored chemical bonding by exciting ethylene molecules with a high-harmonic laser process
- Designed and installed a low-pressure beamline filter, constructed and aligned a laser compressor, received specialized safety training, and operated and maintained a 40W Class 4 research femtolaser for ~500 hours

Graphic Designer   2013 - present
Woot.com
- Illustrated and contracted two t-shirt designs currently for sale online with ~3,000 total sales worldwide

EDUCATION

University of California, Berkeley, B.S. Chemistry   2014
- Studied Spanish, art history, and Latin-American economies at Universidad de Granada, Spain, Fall 2014
- Instructed students with disabilities and STEM undergraduates in general and nuclear chemistry topics
- Served as Scholarship Chair for Nu Chapter of Phi Kappa Tau Fraternity, Fall 2013

SKILLS

INTERESTS

Mastery

- Microsoft Office Suite
  - Excel with VBA scripting
- Windows and Linux/Ubuntu Oss
- JavaScript, HTML 5, CSS
- JMP statistical analysis
- Adobe Creative Suite (PS, Ai)
- AutoCAD/SolidWorks

Proficiency

- Python
- Java Processing
- PHP, AWS EC2 LAMP
- Bash and git
- Putty and Cyberduck
- Spanish language
- vim/nano/Atom/Sublime text editors
- COMSOL CFD modeling
- Blender 3D rendering
- Analytical chemistry
- Chemical lab procedure

Web Development, Coding Projects
Soccer, Brazilian Jiu Jitsu, Skiing
Travel (20 countries, 5 continents)
Hiking, Camping, Mountaineering
Photography, Digital Painting
Volunteering, Electric Guitar

Personal Website:
www.avhdesign.win
LinkedIn:
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