

Jamie Charry

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Education

New York University, New York, NY May 2017
M.P.S Candidate at Interactive Telecommunications Program (ITP)

Northeastern University, Boston, MA May 2012
Bachelor of Science in Physics, Minor in Math, Minor in Mechanical Engineering
Honors: Magna Cum Laude

Work Experience

MakerBot Industries, Brooklyn, NY Feb 2014 - May 2015
Project Manager, Product Team

- Developed and executed project plans for Makerbot's next generation (6th gen) flagship 3D printer
- Led a new customer research initiative, including performing upwards of 30 on-site visits, to identify key needs by customer verticals
- Developed and employed a modified Agile approach to hardware development for the Mechanical Engineering Team
- Drove and managed development of MakerBot Cart for Replicator Z18 from conception to launch in 4 months

MakerBot Industries, Brooklyn, NY April 2013 - Feb 2014
Engineering Technician / Test Engineer

- Developed and executed test plans to benchmark the performance of various laser and camera models for the MakerBot digitizer using Python for image analysis
- Thoroughly vetted Digitizer calibration process and identified opportunities to streamline design and experience
- Drove MakerBot in-store Photo Booth to launch via test efforts and on site construction and support
- Provided both technical and non-technical demo's and presentations for stakeholders and media

Utrecht University, Utrecht, Netherlands Aug 2011 - Jan 2011
Nanophotonics Group, Research Intern

- Modeled and analyzed novel types of solar cell structures with FDTD computer simulations
- Utilized super-computer to perform large scale simulations
- Provided input to understand physical implications of nano-structures on light trapping

New York Power Authority, White Plains, NY May 2009 - Dec 2009

- Attended construction site daily to ensure quality and safety standards were met
- Organized and filed construction phase documents (invoices, change orders, specs, drawings)
- Researched photovoltaic and fuel cell technology for use in future green projects

Skills

Web Dev: Javascript, HTML, CSS/Sass, Node.js w/ Express, Three.js, MongoDB, Heroku Deployment
Mobile Dev: Swift, Objective-C, Parse
Other: Git/Github, Python, Adobe Illustrator/Photoshop/Premiere/After Effects, JIRA, EPDM, Solidworks

Publications

M. Di Vece, Y. Kuang, S. van Duren, J. Charry, L. van Dijk, and R. Schropp, "Plasmonic nano-antenna a-Si:H solar cell," Opt. Express **20**, 27327-27336 (2012).