Zbarasheuski, Stanislau (Stan)
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PROFESSIONAL PROFILE

Aspiring scientist, technologist; experienced in technical and scientific topics. Academic and hands on experience in Computer Networking & Engineering, Material Science & Engineering, Manufacturing & Design. **Six years in metallurgy, and microscopy** laboratories. **Configured and installed Cisco and other programmable controllers since (2007)**. Professional background ranging from to $2.6 million government research projects to start-ups; that generated revenue of more than $2.4 million – in sales – the first year of incorporation. Always looking for knowledge and skill growth in Technology and the Sciences.

EDUCATION

Digital Transformation program, Massachusetts Institute of Technology 2018-2019
- Focus: AI and IoT to Cloud, Blockchain, and Cybersecurity

Associates of Arts and Science, Cuyahoga Community College, Ohio 2014-2015
- Focus: Calculus and Chemistry

Non-Degree, Case Western Reserve University, Ohio 2011-2013
- Focus: Chemistry, Physics, Material Science & Engineering

Computer Networking & Engineering, Lakeland Community College, Ohio 2009-2013
- Focus: Networking (IT), PC Repair, cabling, and communications (CCNA & CCNP)

Computer, Networking, Electronics, EXCEL T.E.C.C./Mayfield School, Ohio
2007-2009
- Focus: Computer Networking (IT), Electronics, Programming (honor roll standing & awards)

PROFESSIONAL EXPERIENCE

Genius One, Inc., Cleveland Ohio 2017-2018
R&D Engineer; Tasked to optimize heat exchange between a solid and a fluid with minimal impedance to the flow rate.
- Drafted, Prototyped, Presented Pre-Production Consumer Products; ceramic, metallic, and polymers
- Found Domestic Electro Chemist; improved consistency in quality and savings of $0.38/part; ≈68.4k/year
- Managed personnel to accomplish daily and monthly quota; steady numbers with consistent quality
- IT & Network Security; removed malware & located source & target PC of bot-program's network traffic
- Eliminated a work station by advising acquisition of equipment; more fluid workday for the employees

CWRU; Department of Material Science & Engineering; Foundry, Cleveland Ohio 2013-2017
Laboratory Technician; worked on multiple projects from multilayer depositions (4 methods of 3D printing) of martensite steel on to H13 tool-steel substrate to surface coatings for high temperature application.
- Analyses of; alloys, boundaries, inclusions and areas of interest, heat affected zones
- Metallurgy; prepared chemicals, polished & etched samples, examined grain crystals & boundaries
- Microscopy; captured optical photographs, used scanning electron microscopes (SEMs); element analises
- Produced lab reports, presented derived data for academic publications and/or client company's reports
- Trained students on equipment operation and processing of samples
- Maintained one of the kind equipment, retro fitted equipment to link with modern PC
- Ordered Manufacturing of custom parts
- Helped with student projects requiering high temperachor equipment or materials

CWRU, Department of Material Science & Engineering, Cleveland Ohio 2011-2013
Laboratory Intern; worked with a passionate team funded by an ARPA-E grant. Aided as needed postdoctoral researchers, graduate students, and any task that was entrusted to me from the Principal investor.

- Sintered, Brazed, Arc Welded, Micro Welded, Spot Welded, Soldered, Anodized, Oxidation Reduction
- Mixed high purity, extremely fine, elemental powders to be sintered; at times to 0 +/- 4µg accuracy
- Used X-Ray diffraction, Thermal Gravitational Analysis, and Electron Microscopy equipment
- Operated ultra-high vacuum equipment; at times in combination with custom backfilled atmospheres
- Prepared surfaces of desired samples via micro polishing, chemical etching, or plasma etching methods
- Measured the affected surface area; ether with a caliper and mathematics or image processing and computational software
- Assembled laboratory & prototyping equipment, assembled & packaged product prototypes; several configurations were used to maximize density per unit of volume – for sponsor revue – and more conventional form for electrical engineering designation

AWARDS AND CERTIFICATES

- Massachusetts Institute of Technology; Digital transformation 2019
- Fire Hydrant Award 2019
- NASA Robotic Mining Competition, certificate of participant 2013 & 2014
- Collegiate Cyber Defense Competition, certificate of participant 2013
- CCNA Exploration (Cisco Networking Award) 2010
- Computers, Networking & Electronics 2009

ADDITIONAL SKILLS

Proficiency with; Microsoft & Open Office, Linux Distributions, Windows OSes, Adobe Photoshop, Google Apps
CAD; SolidWorks, LTSPICE, Slicers (3D printers), SketchUp, Openrocket, EveryCircuit
Programmed in; HTML, JavaScript, Dream Weaver, Python, C++, VB, Dark Basic
Electronics; designed, manufactured, & repaired circuits, industrial and residential electrical experience

LANGUAGES

English Russian Polish Belarusian Spanish(beginner)

HOBBIES

Rocketry; telemetry, structures, propulsion (co founded a club "Case Rocket Team")
Robotics; automation, navigation, 3D printing (co founded a club "CWRUbotix")
Hacking at; drones, Kali Linux (collaborated on IT competitions and hackathons projects)