

# Vance Jones

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## EXPERIENCE

### Teacher – York Country Day School

OCTOBER 2023 - PRESENT York, PA  
Substitute science and mathematics teacher for Middle and Upper School.  
Volunteer mentor for the robotics teams.

### Design and Science Teacher — Harrisburg Academy

DECEMBER 2019 - AUGUST 2023 Wormleysburg, PA

Certified in International Baccalaureate (IB) Diploma Program (DP) instruction for Standard Level Chemistry and Higher Level Physics for grades 11 and 12 and IB Middle Years Program (MYP) instruction for Science and Design.

Created and taught the curriculum for the school's inaugural grade 8 Design class. Instruction was focused on human-centered design and systems thinking, including collaboration with lower school classes, school administration and alumni.

Transitioned the curricula for design, physics and chemistry to the IB MYP framework as well as implementing a fully online and hybrid/ blended instruction and curricula for six classes across two years.

Participated in the year-long strategic planning committee to determine the future growth plans for the school. Primary focus on designing experiences that fostered a culture of belonging for students from pre-K through alumni.

Supervisor for Four Diamonds Mini-THON, Robotics Club, e-sports Club, and currently advising the founding of a rocketry club.

### Project Manager — Carlisle Construction Materials

MAY 2018 - OCTOBER 2019 Carlisle, PA

Managed the web team during a \$2M site migration and redesign for the Carlisle SynTec and Versico brands. Project resulted in a 30% increase in page views, a 4% reduction in exit rate and 8% reduction in bounce rate.

Managed regular maintenance and updates for websites and mobile apps of 12 subsidiary brands. Led UI/UX research and user testing for renovated search platform and new website design and development.

### Product Management Intern — PNC

MAY 2017 - AUGUST 2017 Pittsburgh, PA

Worked on the brand integration and launch of Zelle product on Virtual Wallet mobile app for both iOS and Android platforms. Led pilot user acceptance tests and managed issue tracking.

Led intern capstone project to promote Zelle on university campuses.

### Tutor — University of Kentucky

JANUARY 2015 - AUGUST 2016 Lexington, KY

Tutored student athletes in mechanical engineering, mathematics, statistics, computer science, electrical engineering, physics and chemistry.

## EDUCATION

### Carnegie Mellon University

Pittsburgh, PA  
*Master of Integrated Innovation for Products and Services (Product Design)*  
DECEMBER 2017

### University of Kentucky

Lexington, KY  
*Bachelor of Science in Mechanical Engineering*  
MAY 2014

## SKILLS

### Design

Design thinking  
Human-centered design  
Ideation  
User acceptance testing  
Quantitative and qualitative user research

### Project Management

Atlassian Jira  
Issue tracking  
Agile product development

### Prototyping

Wireframing  
Laser cutting  
3D printing  
Mold casting  
Clay modeling

### Software

Internet of Things (IoT)  
CAD [Pro-E / Creo, Autodesk Fusion 360, SketchUp]  
HTML  
MATLAB  
MS Office (Excel, Word, Outlook, PowerPoint)