

MR. PAT YONGPRADIT

Computer Science and Technology Teacher, Curriculum Writer/Consultant
Specializing in Games for Social Causes and Promoting Underrepresented Minorities in Technology

EDUCATION

Master of Education

University of Maryland, Specialization in Secondary Science

Bachelor of Science

McGill University, Montreal, Canada

Coursework Major in Biology with Distinction, Specialization in Neurobiology
Minor in Psychology

Certifications

Science and Biotechnology
Technology Education
Health, Physics, Math
Red Cross First Aid, CPR

EXPERIENCE

Teacher, Montgomery County Public Schools

July 2001 to Present

Description Springbrook High School, 2005 – Present
Computer Science, Science, Class Sponsor, Track and Tennis Coach, Robotics Team, Women in Technology Club
Francis Scott Key Middle School, 2001 – 2005
8th Grade Science, Resource Teacher, Technology Trainer

Curriculum Consultant, Microsoft Corporation

February 2009 to Present

Projects Computer Science Principles: Computation in Action
Wrote curriculum, conference presentation
Kinect for Education
Led curriculum team, wrote curriculum, managed social media presence
Kodu, Microsoft Studios
Wrote NASA Mars Rover curriculum
Wrote Math-related curriculum, advised development team
Microsoft Technology Associate Exam Review Kits
Wrote curriculum for Software Development and Game Development Exams
XNA Game Studio
Wrote XNA 5-week mini-course, Semester 1 and 2 course
Created Lesson Plans, Video Tutorials, Assessments
DigiGirlz Student Camp
Prepared week-long game programming curriculum

Personal Achievements

2010 Microsoft Worldwide Innovative Educator
2010 Microsoft US Innovative Educator
Innovative Education Panelist at NBC Education Nation
Recipient of Maryland Society for Education Technology Grant
Presentations at ISTE, SIGCSE, MEEC, CSTA, USA Today, NBC Education Nation
Education Advisory Committee to Congresswoman Donna Edwards

Curriculum Reviewer, Pearson/National Academy Foundation

July 2008 to July 2011

Projects Reviewed Introduction to Programming Course and Exam Questions

Curriculum Team Lead/Writer, Montgomery County Public Schools

June 2006 to Present

Projects Middle School Information and Communication Technologies Course
Middle School Multimedia Course
High School Designing Technology Solutions Course
High School Advanced Placement Computer Science Course
Led professional development workshops and presentations

Coordinator, New Educator Orientation

May 2006 to Present

Description Coordinated the Annual New Educator Orientation, week-long professional development program

Science Teacher, Upward Bound at the Latin American Youth Center

June 2004 to June 2006

Description Taught genetics to low-income, minority students and ran incentive program

Assessment Writer, American Institutes for Research

August 2005

Description Wrote exam items for Ohio State Science Assessment

Tutor

March 2007 to March 2008 Montgomery County Social Services

July 1999 to Sept 2001 Tutorium

Special Education Teacher Assistant, Foundation Schools

August 1999 to June 2000

Description Assisted in classroom instruction and management

Behavioral Assistant in Autism Program, Ivymount School

July 1999 to Sept 1999

Description Implemented behavioral modification program for autistic students

Conference/Panel Presentations

2013

“The STEM Gap: Focusing on Computer Science” - Microsoft Conversations on Education Panel

2012

“XNA Game Studio” – North Carolina Career and Technology Education Conference

“Fun, Phone, and the Future” - Special Interest Group Computer Science Education

“Games for Social Causes” – Texas Computer Education Association, Computer Science Teachers Association
“Kodu Game Lab” – Games in Education
“Kodu Game Lab Workshop” – Computer Science Teachers Association

2011

“Panel Talk: Innovative Education” – NBC Education Nation
“Serious Causes, Serious Computer Science” – Computer Science 4 High School, UMBC
“XNA Game Studio Workshop” – Computer Science Teachers Association Conference
“Serious Fun, Serious Computer Science: Microsoft XNA Game Development” – ISTE
“Games for Good: Multi-Disciplinary Software Used to Create Video Games for Social Causes” - MEEC
“Exploring STEM Careers” – Congresswoman Edwards 3rd Annual College and Career Fair
“Teaching Computer Science with C# and XNA Game Studio” - Special Interest Group CS Education

2010

“Meeting CS Learning Standards Using XNA Game Studio” - International Society for Technology in Education”
“Imagine: Video Game Software and Hardware as School Equipment” – MD Educational Enterprise Consortium
“Game Programming with the Microsoft Zune to Promote Women in Technology”
- Microsoft Worldwide Innovative Educator Forum
- Maryland Society for Educational Technology

Student Awards

2013 NCWIT Aspirations in Computing Award National Winner
2013 NCWIT Aspirations in Computing Award National Runner-Up
2012 NFTE World Series of Innovation Judge’s Choice and People’s Choice – Game Design
2012 NFTE World Series of Innovation Judge’s Choice and People’s Choice – App Design
2012 Microsoft Imagine Cup Second Place – Xbox/PC Game Design
2011 NFTE World Series of Innovation People’s Choice – Game Design
2011 NFTE World Series of Innovation Finalist – Game Design
2011 Microsoft Tech Student of the Month
2012 Microsoft Imagine Cup US Finalist – Xbox/PC Game Design
2010 Kodu Cup First Place
2010 Kodu Cup Second Place

Volunteer Experiences

Computer Science Education Pathway Advisory Committee to MD State Dept. of Education
MCPS JETS Day Outreach to Middle School Students
Montgomery County Church of Christ Teen Ministry

References

Joanne Engel, Department Leader, Springbrook High School	301 989 5791
Gail Epps, New Teacher Induction Program Leader	301 601 4870
Sam Rivera, Springbrook High School Principal	301 989 5700