

James Bryan Graves

Amsterdam, The Netherlands | +31 6 11 75 19 66 | gravjabr@iu.edu
born: 1978, United States of America

- Computer Scientist, Software Development Engineer, >20 years
- Software/System Architecture, OOP, Functional (λ) programming, APIs, Operating Systems
- Data, Data Science
- Algorithms, Complexity, Information Theory
- 2+ years lecturing/teaching Bachelor's students
- Co-founder of grant supported non-profit, >3 grant supported research projects

EDUCATION

Indiana University <i>Quantum Information Science MS</i>	Bloomington, IN, USA <i>Aug. 2024 – Present</i>
Massachusetts Institute of Technology, MIT <i>Quantum Computing Fundamentals, xPRO</i>	Cambridge, MA, USA, remote <i>Apr. 2024 – June 2024</i>
University of Applied Sciences Amsterdam, The Hague, Saxion, Fontys <i>Introduction Quantum Computing, Master's curriculum development & test run</i>	The Netherlands <i>Apr. 2024 – June 2024</i>
Purdue University <i>Bachelor of Science in Computer Science, BSCS, Music Theory Minor</i>	West Lafayette, IN, USA <i>Aug. 1996 – May 2000</i>

EXPERIENCE

Lecturer & Workshop Leader <i>Royal Academy of Art (KABK), kabk.nl</i>	Dec. 2019 – Jun. 2021 <i>The Hague, The Netherlands</i>
<ul style="list-style-type: none">• Teaching position & workshop leader for Bachelor's level design based coding curriculum• 2 classes per semester, >30 students each• Conducted additional lectures & workshops for Master's students	
Researcher, Senior SDE <i>Hubzero, Purdue University, UCSD, San Diego Supercomputer Center (SDSC), hubzero.org</i>	Oct. 2015 – Oct. 2020 <i>San Diego, CA, REMOTE</i>
<ul style="list-style-type: none">• JVM based microservices in Clojure (λ) & Java• Frontend & data visualizations (charting) in Clojurescript (CLJS), Re-frame, React, D3• Big Data, Hadoop, Apache Solr (NoSQL)• MySQL, RabbitMQ, Docker• Published 2 academic papers, multi-conference speaker	
Co-founder <i>Hackers & Designers, hackersanddesigners.nl</i>	Jul. 2013 – Aug. 2018 <i>Amsterdam, The Netherlands</i>
<ul style="list-style-type: none">• Non-profit (Stichting)• Mission: To bringing art, design, & technology closer together• Authored grant awarded applications, funded year over year• Node.js, Python, Solidity, Ethereum, Linux, Bitcoin, Javascript, RaspberryPi	
SDE <i>IBM</i>	May 2000 – Oct. 2000 <i>Burlington, VT</i>
<ul style="list-style-type: none">• C++ & Java based test evaluation platform with UI for silicon wafer test results• IBM Websphere Application Server, DB2	
<i>More experience available on request, or @ jamesbryangraves.com ...</i>	

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, Java, Clojure, .NET/C#, PHP, SQL, GraphQL, Swift, Objective C, ...
Frameworks: React, Vue, Next/Nuxt, Node.js, Apple Developer, Django, Rails, ...
Developer Tools: Git, Docker, Google Cloud Platform, AWS, ...