

# James Bryan Graves

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

- Computer Scientist, Software Development Engineer, >20 years
- Software/System Architecture, OOP, Functional ( $\lambda$ ) 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

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

## EXPERIENCE

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<b>Lecturer &amp; Workshop Leader</b> <i>Royal Academy of Art (KABK), <a href="http://kabk.nl">kabk.nl</a></i>	Dec. 2019 – Jun. 2021 <i>The Hague, The Netherlands</i>
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- 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

<b>Researcher, Senior SDE</b> <i>Hubzero, Purdue University, UCSD, San Diego Supercomputer Center (SDSC), <a href="http://hubzero.org">hubzero.org</a></i>	Oct. 2015 – Oct. 2020 <i>San Diego, CA, REMOTE</i>
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- JVM based microservices in Clojure ( $\lambda$ ) & 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

<b>Co-founder</b> <i>Hackers &amp; Designers, <a href="http://hackersanddesigners.nl">hackersanddesigners.nl</a></i>	Jul. 2013 – Aug. 2018 <i>Amsterdam, The Netherlands</i>
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- 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

<b>SDE</b> <i>IBM</i>	May 2000 – Oct. 2000 <i>Burlington, VT</i>
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- C++ & Java based test evaluation platform with UI for silicon wafer test results
- IBM Websphere Application Server, DB2

*More experience available on request, or @ [jamesbryangraves.com](http://jamesbryangraves.com) ...*

## TECHNICAL SKILLS

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**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, ...