

Joseph Szymczak-Parker

Ex-Archaeologist & Data Analyst

📞 773-351-2764

@ jszycm1@gmail.com

📍 Portland, OR

🔗 yugenexperience.github.io/Portfolio

EXPERIENCE

Financial & Operations Analyst

Various CBD Start-Up Companies

📅 2013 - 2020 📍 Portland, OR

Northwest CBD Solutions | Master Gardens | Mindful Organics | Kush Care

- Helped to develop three functioning, profitable hemp businesses from scratch that were sold turn-key for massive profits using data-driven decision-making, data analysis (Advanced Excel).
- Provided financial forecasting services for the CEO that reduced operating costs by more than 27% and increased revenues by 21% over six months (Advanced Excel).
- Analyzed operational process improvements that increased productivity by 20% in six months (Advanced Excel).
- Launched an ERP system that merged operational SoPs, purchase orders, batch tickets, and invoices that passed regulatory compliance requirements (Data Cor - ERP).

Area Manager IV

Amazon

1 year

- Launched the opening of a new Amazon Facility (PDX6) that added large item purchases to the Portland area (Advanced Excel).
- Daily data-driven decision-making that resulted in 3 innovation projects that increased productivity by 30%.

Cultural Resource Specialist II

Various Cultural Resource Management Companies

📅 2006 - 2011

Michael Baker, Jr. | Commonwealth Cultural Resources Group

- Contributed to the composition of scopes & budgets, directed the gathering of archaeological data, constructed archaeological databases (Advanced Excel), and used that data to draft regulatory reports.
- The results of my data analysis contributed to over 10 peer-reviewed scientific publications.

Cultural Resource Specialist & Lab Research

Various CRM Companies & The Field Museum of Chicago

📅 2001 - 2006

Michael Baker, Jr. | S.W.C.A | Weaver&Associates | Field Museum of Chicago

- Managed databases that included over 500,000 data points using Advanced Excel & Access.
- Made daily in-field decisions regarding the effective gathering of data with little oversight.
- Worked in the Inductively-Coupled Mass-Spectrometry Lab (ICP-MS) collecting data that contributed to four scientific publications.

EDUCATION

Google Data Analytics Certificate

Coursera 2021

M.A., Anthropology (Archaeology)

University of Illinois at Chicago

PASSIONS

🏔️ Hiking

🎵 Music Composition

🎬 Video Editing

SKILLS

Data-driven decision making

Advanced Excel Data Analysis R

SQL Data Cleaning Spreadsheets

Tableau Data Visualization Power BI

Effective Presentations Spreadsheets

FIND ME ONLINE

 **Joseph Szymczak-Parker**
www.linkedin.com/in/joseph-szymczak-parker-06a20317

 **GitHub**
github.com/YugenExperience

 **Kaggle**
www.kaggle.com/josephszymczakparker

 **YouTube**
www.youtube.com/watch?v=zmFnA4TguOo

 **Portfolio**
<https://yugenexperience.github.io/Portfolio>

MY LIFE PHILOSOPHY

Yugen /yoo-gehn/ n. (japanese)
An awareness of the universe that triggers emotional responses too deep and powerful for words.

Joseph Szymczak-Parker

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I have deep experience with data gained while working for two museums and writing over 10 peer-reviewed scientific publications. After a successful career asking **WHY**, I eventually decided to **ACT** by creating efficiencies in the future. Because of this, more recently, I've landed in a series of small business start-ups (5+ years) which eventually led me to Amazon.

There, I hoped to learn how to skill up my scalability experience and in the process *found the power of Data Analytics in today's world*. During the Pandemic, I decided to upgrade my analytics tool box beyond Advanced Excel by completing Google's Data Analytics Certificate Program powered by Coursera. *I may be newer to the tools, but I'm not new to Data Story Telling.* **Allow me to leverage my experience for you.**

You must be receiving floods of resumes for your Analyst role. So, I will cut this short. I believe I would be a great fit for the position. Here's what makes me confident I can create value for you.

I've recently wrapped up a gratifying Google Data Analytics Certificate Program powered by Coursera. This experience was incredibly valuable, as it helped me upgrade my data analysis toolbox which includes:

- Implementing SQL, Advanced Excel, R Programming, Power BI, and Tableau skills in the form of a Cap Stone Project which completed my **Data Analytics Certificate at Google**.
- I have been no stranger to financial and operations analysis, spending over five years helping to start three functioning, profitable start-up businesses that were sold turn-key for massive profits. I accomplished this through **data-driven decision-making and data analysis** (Advanced Excel).
- What's more, my Data Analyst career was built on a strong scientific foundation. Working over 10 years as an Archaeologist, not only did I swim in data, I also contributed to over **10 peer-reviewed scientific publications**.

Above all requirements, I believe you are looking for a capable person who can address challenging tasks through continuous problem-solving. I can fulfil this expectation, because my ability to create visual stories through pattern recognition and data-driven decision-making has been earned through results.

Don't hesitate to visit my Portfolio or Contact Me (linked above). I would love to chat about how data has become an integral part of our work!

Best Regards,

JOSEPH SZYMCZAK-PARKER, Ex-Archaeologist and Data Analyst

Curriculum Vitae

**Joseph Szymczak-Parker
MA**

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Portland, OR 97233

773-351-2764
jszymc1@gmail.com

<https://yugenexperience.github.io/Portfolio/>

Skills	Areas of expertise <ul style="list-style-type: none">Field (CRM – Task Manager, Field Director, Crew Chief)Field (CRM – Ph I, II, & III; lab; reports)Field (Academic Excavation – Peru)Lab (Ceramic, Lithic, & pH Analysis)Lab (Statistical Analysis – LA-ICP-MS)Lab (Settlement Pattern Analysis)Academic Research (Publication; SAA)Teaching – Introductory College Level	Software Knowledge <ul style="list-style-type: none">LA-ICP-MS Data ProcessingG.P.S. Point Plotting, Mapping (Total Station, Trimble Geo XH)G.I.S. – ArcViewS.P.S.S.R ProgrammingSQLAdvanced ExcelTableau & Power BI
Research Interests	<i>Research is focused on the archaeological application of Cultural Resource Management (C.R.M.) via Section 106 of the Environmental Policy Act (N.E.P.A.). Achieved an M.A. in Anthropology with specialization in archaeological science and C.R.M. Specific research interests include changing power structures through time, social memory & transmission, the peopling of the New World, ceramic analysis, lithic analysis, and the application of archaeological science to lab & excavation techniques. Geographic and cultural foci are all possible United States CRM projects including but not limited to the SW desert, Central Great Plains, Eastern Woodlands as well as the Prehistoric Peruvian Coast.</i>	
Education	University of Illinois at Chicago M.A. Anthropology <ul style="list-style-type: none">Archaeological Focus – Cultural Resource Management & Archaeological Science University of Pittsburgh – Main Campus B.A. Anthropology <ul style="list-style-type: none">Archaeological Focus – Experimental Use-wear analysis Google Data Analytics Certificate (2021)	
Grants	<ul style="list-style-type: none">- 2nd Year PhD. Program - U.I.C. Assistantship Grant- Field Museum CCC Internship Grant- 3rd Year PhD. Program - U.I.C. Assistantship Grant- 4th Year PhD. Program - U.I.C. Assistantship Grant	
Field Experience	Michael Baker, Jr. Inc. CRM - Cultural Resource Specialist II – Cemetery Monitoring, Phase I, II, III, Ceramic Analysis <u>SR 2110 – Churchill Cemetery Monitoring, PA – Task Manager</u> <ul style="list-style-type: none"><i>Responsibilities include the creation of a scope and budget, budgetary task management, hiring a crew of archaeological monitors, and coordination between the PennDOT archaeologist and construction project managers. A landslide affected a cemetery near the Beulah Presbyterian Church which held numerous Revolutionary War Era gravestones.</i>	

Field
Experience
(cont.)

New River Gorge National River Scenic Highway, WV– Phase II – Task Manager (Report Preparation)

- Responsibilities include creation of a scope and budget, budgetary task management, hiring a crew of 4 archaeological field technicians, field supervision, and report preparation for the Phase II archaeological testing of an Archaic to Late Woodland multi-component site near the New River Gorge National River in Brooklin, West Virginia. After work, a report was written and approved by the W.V. S.H.P.O. office.

Bellevue Rail Yard Expansion, OH – Field Director (Report Preparation)

- Responsibilities include budgetary task management, hiring a crew of 6 archaeological field technicians, and field direction for a 35-acre Rail Yard Expansion in Bellevue, OH. Phase I testing identified 5+ lithic scatter sites. After work, a report was written and approved by the OH S.H.P.O. office.

Van Metre Ford Bridge Replacement, WV – Phase I & II – Field Director (Report Preparation)

- Responsibilities include the creation of a scope and budget, budgetary task management, hiring a crew of 5 archaeological field technicians, and field supervision for a Phase I and subsequent Phase II excavations of the Van Metre Ford Bridge Replacement APE. Work included excavation of multiple 1 x 1 m and 1 x 2 m units on a Terminal Archaic to Late Woodland multi-component site. Work included the delineation of Terminal Archaic PPKs, potential midden and living floors, as well as charcoal filled pit structures and post-molds. After field work, a report was created and approved by the W.V. S.H.P.O. office.

New River Gorge National River Scenic Highway, WV– Phase I – Field Director (Report Preparation)

- Responsibilities included field supervision and report writing of geological and archaeological testing for a proposed 1.5-mile scenic highway along the New River Gorge National River established near Hinton, West Virginia. After work, a report was written and approved by the W.V. S.H.P.O. office.

Corridor H – Mathias Farm Site Complex, Wilson #1, Wilson #3, George Miley – Ceramic Analysis

- Responsibilities included prehistoric ceramic analysis of four Early to Late Woodland multi-component sites derived from Phase III excavation. Work included the delineation and background research on 10+ ceramic wares, statistical analysis of these wares including sherd thickness, MNI calculation, rim sherd analysis, C-14 date association, and feature correlation, as well as report writing of these results. The reports are submitted to the WV S.H.P.O. office pending approval.

U.S. Army Corp of Engineers, IA – Phase I – Field Director (Report Preparation)

- Responsibilities include Phase I testing, delineation, and recordation of prehistoric and historic sites following the east fence line of the Iowa Ammunition Plant just west of Burlington, Iowa. After testing, a report was written for and approved by the Iowa S.H.P.O. and U.S. Army Corps of Engineers.

Coalfields Expressway, WV – Reported Soldier's Cemetery – Field Director (Report Preparation)

- Responsibilities include providing archaeological oversight for the relocation of a reported historic cemetery along the proposed Coalfields Expressway. A report was written and submitted to the W.V. Department of Transportation. This was part of a larger Coalfields Expressway route near Beckley, West Virginia.

Fort Wadsworth, Staten Island, NY – Archaeological Monitoring – Field Director (Report Preparation)

- Responsibilities include archaeological monitoring of geological borings for a proposed military base expansion for the Military Construction Army Reserve (MCAR) Grow the Army (GTA) project on Staten Island, NY. After work, a report was written for and approved by the NY S.H.P.O. office and Staten Island National Park Service.

Commonwealth Cultural Resources Group, Inc.

CRM - Field Director – Gas Pipeline

- Direct two crews (2 crew chiefs; 8 techs) on a gas pipeline project extending across the state of Illinois. Archaeological sites were located, mapped, and catalogued along the pipeline corridor. I was responsible for in field decision making and direction which was recorded in the form of daily reports to the Principal Investigator.

Weaver & Associates, LLC

CRM – Crew Chief – Mark Twain National Forest

- Duties consist of a Phase I survey in the Mark Twain National Forest (S.E. Missouri). Cultural preservation areas were delineated prior to an extensive logging project that would strip much of the area. Sites included 20+ small to medium lithic scatters.

Field Museum of Chicago / Contisuyo Moquegua Project – Cerro Baul (Wari)
Grant Funded Excavation – Field Director

- *Duties consist of the excavation of multiple residential structures found within a Wari administrative center. Work included the delineation of multi-layered occupation floors, multiple hearth features, postholes, burials, an ancient chicha (maize beer) brewery, and other residential residues with the expressed purpose of determining activity areas. We created profile maps, plan views, and photographed (digitally) each natural stratum. Overall excavation directed by Dr. Donna Nash.*

SWCA Environmental Consultants

CRM – Field Tech & Limited Crew Chief - various

Verde Wild and Scenic River

- *This project includes hiking and rafting 40+ miles of NFS land inaccessible to the public along the Verde River. It was located roughly north of the Phoenix Basin within an interaction zone between many cultural spheres (including Hohokom, Prescott, and peripheral Mogollon). Work included survey, site mapping, and pueblo mapping of over 40 sites, including but not limited to pueblos (10-50+ rooms), agricultural fields, and pit houses primarily located on the 1st terrace above the Verde River*

Aranda Land Exchange

- *This project was a survey of previously private land acquired by the Arizona Bureau of Land Management due to large densities of archaeological sites. It is located roughly north of the Phoenix Basin and lies in the heart of the Prescott cultural sphere. Work included survey (both topographic map and G.P.S.), site location, National Register identification, and site mapping. During this project, I worked as an acting crew chief (3-4 member crews).*

Sossaman & Rittenhouse

- *This project initially began as a basic testing site but soon turned into a data recovery of four Classic Period Hohokom burials (1 cremation and 3 extended). Work included excavation of these burials, which consisted of associated ceramic, shell, and turquoise cultural material.*

Agua Fria National Monument

- *This project was an initial survey of the newly established Agua Fria National Monument located 45 miles north of Phoenix along I-17. The area was interesting archaeologically for it lies directly across the Agua Fria River from Perry Mesa, an area written of extensively in SW archaeological journals for its role in Sedentary to Classic Hohokom culture. Work included survey, site identification, and mapping of 3 large pueblo sites (25+ rooms), field houses, and agricultural fields.*

Prescott City Center

- *This project included testing and excavation of an unknown restaurant in the Chinatown district of Historic Prescott, specifically, at the time of the city's burning at the end of the 19th century.*

Multiple Small Highway Contracts

- *Worked on multiple short-term monitoring, highway, and pipeline surveys varying in scale from 3-50+ miles.*

Michael Baker Jr., Inc.

CRM – Cultural Resource Specialist I – Corridor D

- *Duties consisted of Phase I and Phase II shovel test probing, deep trenching, general profile mapping, and survey testing of various flood plain sites near Parkersburg, WV.*

U.N.C. – Chapel Hill – Moche Origins Project

Field School – Field Tech – Ciudad del Dios (Moche)

- *Attended field school in the Moche Valley, Peru. The site, Ciudad del Dios, was in its third year of excavation, thus duties included: excavation, surface collection, strata profiling, plan view mapping, feature identification & excavation, G.I.S. data entry, floatation, and general lab skills. Dr. Brian Billman through the University of North Carolina at Chapel Hill supervised this field school.*

Field
Experience
(cont.)

Univ. of Colorado at Boulder – Santa Rita B
Field School – Field Tech

- *Attended field school in the Chao Valley, Peru. We initiated archaeological inquiry at the site, Santa Rita B, thus duties included: site boundary identification, gathering G.P.S. plot pints, utilizing the total station, surface collection, test unit excavation, strata profiling, ceramic washing, and ceramic categorization. This field school was supervised by Dr. Jonathan Kent through the University of Colorado at Denver.*

Museum &
Lab
Experience

Carnegie Museum of Natural History
Lab Research – Historic Artifact Analyst

- *Worked with Dr. James B. Richardson III on the Mayhew site (1680-1750) located on Martha Vineyard. Duties consisted of ceramic, glass, button, pipe, brick, & nail analysis. Publication in process.*

Field Museum of Chicago / LA-ICP-MS Lab
Lab Research – Research Assistant - various

Alca, Peru Cropping

- *Duties consisted of laser ablation (ICP-Mass Spectrometry) of various obsidian samples derived from the Alca Cropping in southern Peru. Using this source material we were able to examine the variability of obsidian chemical compositions found within the same source and thus able to narrow visually identical obsidian pieces to its original location.*

Andahuaylas, Peru Cropping

- *Duties consisted of laser ablation (ICP-Mass Spectrometry) of various obsidian samples derived from Dr. Brian Bauer's settlement pattern studies near Andahuaylas, Peru & Dr. Ryan Williams excavations at Cerro Baul (Moquegua, Peru).*

Tularosa Cave, AZ Cropping

- *This project consisted of laser ablation (ICP-Mass Spectrometry) sourcing of Field Museum Obsidian Collections from Tularosa Cave (Arizona).*

Field Museum of Chicago
Lab Work – Lab Assistant – Cerro Baul

- *Duties consisted of PH sample preparation as well as Adobe Photoshop detailed mapping of excavation profiles and units. Dr. Ryan Williams directed the lab.*

Contisuyo Moquegua Project
Lab Work – Lab Assistant – Moquegua, Peru

- *Duties consisted of ceramic & lithic analysis of cultural material associated with residential units at Cerro Baul, a Wari administrative center. Analysis included categorizing, drawing, digital photography, and temporal identification of material found. Lab analysis directed by Dr. Donna Nash.*

Field Museum of Chicago – Shandong Province, E. China Project
Lab Work – Lab Assistant

- *Duties consisted of spatial analysis between prehistoric site clusters dated to the Longshan, Zhou, and Shang periods of China's eastern Shandong province. Analysis utilized Excel pivot tables to examine an accumulated 8 years of data from the region. Dr. Anne Underhill and Linda Nicholas directed the lab.*

University of Pittsburgh Archaeology Lab
Lab Work – Lab Assistant

- *Duties primarily consisted of lithic analysis for a prehistoric Iroquois (Cayuga) site in central New York State. Other general lab skills were acquired. Dr. Kathleen M. Allen supervised lab hours.*

Internships

University of Pittsburgh Anthropology Department Internship – Intern

- *Created an internship at Fireborn Studios for the University of Pittsburgh. It consisted of prehistoric pottery recreation including variants on clay types, firing temperatures, and surface treatment. The internship was finalized through experimental research observing the effect on the porosity vs. permeability of a ceramic vessel through the use of animal fat as an interior surface treatment. The paper discusses the results via a lens of use alteration. Dr. Marc Bermann supervised the internship.*

Carnegie Museum of Natural History Internship – Lab Assistant

- *Worked with prehistoric as well as historic artifacts from the Frisby-Butler site on Martha Vineyard in the Section of Man at the Carnegie Museum of Natural History. Duties consisted of labeling bone, screening core samples through a mesh, and organizing the lab. Dr. James B. Richardson III supervised internship and offered instruction on depositional processes that effect artifacts in a soil matrix.*

Teaching Experience

Labratz, Inc. - Pittsburgh Instructor – Teaching

- Labratz, Inc. – High School - Scientific Method Courses

University of Illinois - Chicago Assistant Professor – Teaching

- Introduction to Anthropology – Human Evolution
- World Cultures: Introduction to Social Anthropology
- Introduction to Anthropology – Human Evolution
- Introduction to Anthropology – Human Evolution
- World Geography

Publications/ Reports/ Presentation

- Szymczak, Joseph, Denise Grantz Bastianini, Keith Bastianini, and Martin T. Fuess
2011 Phase II Archaeological Investigations for the New River Parkway Project: Hinton to South of Richmond Bottom, Raleigh and Summers Counties, West Virginia. Report prepared by Michael Baker Jr., Inc. for the West Virginia Department of Transportation- Division of Highways, Charleston, West Virginia.
- Szymczak, Joseph, Denise Grantz Bastianini, John P. Nass, Keith Bastianini
2011 Phase I-II Archaeological Investigations, Van Metre Ford Bridge Replacement Project, Arden District, Berkeley County, West Virginia. Report prepared by Michael Baker Jr., Inc. for the West Virginia Department of Transportation- Division of Highways, Charleston, West Virginia.
- Szymczak, Joseph, Denise Grantz Bastianini, Keith R. Bastianini, Kathryn M. Lombardi, Shawna C. Owens, and Amanda L. Valko.
2011 Phase I Geomorphological and Archaeological Investigations for the New River Parkway Project: Hinton to South of Richmond Bottom, Raleigh and Summers Counties, West Virginia. Report prepared by Michael Baker Jr., Inc. for the West Virginia Department of Transportation- Division of Highways, Charleston, West Virginia.
- Riedman, William F., Kathryn M. Lombardi, Joseph Szymczak, and Martin T. Fuess
2011 Archaeological Investigations at the George Miley Site, Appalachian Corridor H, Hardy County, West Virginia. With contributions by Carol J. Peterson, Amanda L. Valko, Keith R. Bastianini, and Deborah E. Casselberry, and an appendix by J. Steven Kite. Michael Baker Jr., Inc., Moon Township, Pennsylvania, and Charleston, West Virginia. Report prepared for the West Virginia Department of Transportation, Division of Highways, Charleston.

Publications/
Reports/
Presentation
(cont.)

Fuess, Martin T.; Anderson, David A.; Keith R. Bastianini; Bryan T. Butina; Deborah E. Casselberry; William C. Johnson; William F. Riedman; Joseph Szymczak; Ryan Robinson; Edward J. Siemon; and Amanda Valko
2011 *Archaeological Investigations at the Wilson #3 Site, Hardy County, West Virginia*. Michael Baker Jr., Inc., Moon Township, Pennsylvania, and Charleston, West Virginia. Report prepared for the West Virginia Department of Transportation, Division of Highways, Charleston.

Riedman, William F., Martin T. Fuess, William C. Johnson, and Joseph Szymczak
2011 *Archaeological Investigations at the Wilson #1 Site, Appalachian Corridor H, Hardy County, West Virginia*. With contributions by Carol J. Peterson, Amanda L. Valko, and Deborah E. Casselberry. Michael Baker Jr., Inc., Moon Township, Pennsylvania, and Charleston, West Virginia. Report prepared for the West Virginia Department of Transportation, Division of Highways, Charleston.

Edward J. Siemon, III, William C. Johnson, Jon T. VandenBosch, Bruce L. Manzano, and Joseph Szymczak
2011 *Archaeological Investigations at the Mathias Farm Site Complex, Appalachian Corridor H, Hardy County, West Virginia*. With contributions by Denise Grantz Bastianini, and Carol J. Peterson, and appendix by J. Steven Kite. Michael Baker Jr., Inc., Moon Township, Pennsylvania, and Charleston, West Virginia. Report prepared for the West Virginia Department of Transportation, Division of Highways, Charleston.

Szymczak, Joseph, Denise Grantz Bastianini, and Keith Bastianini.
2010 *Preliminary Results of the Phase II Archaeological Investigations within the Van Metre Ford Bridge Replacement Project Area, Arden District, Berkeley County, West Virginia*. Report prepared by Michael Baker Jr., Inc. for the West Virginia Department of Transportation- Division of Highways, Charleston, West Virginia.

Szymczak, Joseph and Kathryn M. Lombardi
2010 *Archaeological Monitoring of the Reported Soldiers Cemetery Site, West Helen to Allen Creek Section of the Coalfields Expressway Project Area, Raleigh County, West Virginia*. Report prepared by Michael Baker Jr., Inc. for the West Virginia Department of Transportation- Division of Highways, Charleston, West Virginia.

Szymczak, Joseph
2010 *Archaeological Monitoring of the proposed U.S. Army Military Construction Project at Fort Wadsworth, Staten Island, New York*. Report prepared by Michael Baker Jr., Inc. for the Fort Wadsworth, Staten Island, National Park Service, Richmond County, New York.

Bauer, Brian, Arkush, Elizabeth, and Joseph Szymczak.
2008 *Ancient Warfare in the Andes*. In *The Ancient World at War* edited by Philip de Souza. Thames & Hudson: New York, NY.

Szymczak, Joe, Anita Cook, William Isbell, Robert J. Speakman, & Patrick Williams
2006 *Wari Ceramic Production at Conchopata and Cerro Baul: Insights from Sourcing Studies*.

(Presentation at the Society of American Archaeology 71st Annual Meeting)

Professional
Memberships

American Anthropological Association
Society of American Archaeology