

Paul Crawford: Résumé (2024)

BIOGRAPHY:

Mailing Address : 564 Go Slow Ave. (Top Fl.), Tucville, Georgetown, Guyana, South America Nationality : Citizen of Guyana
E-mail Addresses : pcrawford@mac.com; Languages : English; Creole (Gy); Español
paul.crawford@nyanzasoftware.com Marital Status : Single
Telephone Nos. : +592 690-5429 {M (& WhatsApp)} Work permits : N/A (No relocation)

OBJECTIVE:

Software Developer or Educator/Tutor in Computer Science (CS) or Information Technology (IT), especially within education, healthcare, infrastructure, multimedia, renewable energy, science or telecommunications.

EXPERIENCE:

- May 2005–Current **Independent / Nyanza Software** <nyanzasoftware.com> *Georgetown, Guyana*
Owner (Sole Proprietor); Software Developer & Consultant; Contractual Educator
(Varied income; invoicing in normal range {for contractual projects / training})
- Shift-Based Full-Time Security (May 2024–Current): Managed alarm & gate, and kept several logs.
 - Independent Projects ‘B’ (Jan 2012–Current): Developed an Apple macOS Desktop utility. Researched and wrote a history / sci-fi (CS, etc.) novel.
 - Contractual & Voluntary Part-Time Teaching ‘A’–‘D’ (Sep 2017–Apr 2020 {CoViD Pandemic}): - ‘A’: Guided a weekly coding-camp. ‘D’: Taught various subjects at a secondary school. ‘B’: Trained interns in software development. ‘C’: Gave tutorials & labs in a university third-year CS course.
 - Contractual Projects (Mar 2006–Dec 2011): Engaged in long-distance contracts with a former US employer (see ‘Oct 1995–Jun 2000’ below). Projects were LAN-side only, including:- processing XML/XSL data; modernising the archive (TDS) structure; processing multi-level-indexed AFP data; porting to Java the C TDS routines; maintaining & enhancing a QA system; and, resolving incidents.
 - Independent Projects ‘A’ (May 2005–Feb 2006): Formally registered ‘Nyanza Software’ as a Sole Proprietorship. Maintained my freeware programs, and briefly developed the “Smart Assistant” one.
- May 2002–Dec 2004 **University of the Witwatersrand** <wits.ac.za> *Johannesburg, RSA*
Senior Tutor (Junior Lecturer), Computer Science (Salary in normal range)
- Gave lectures, tutorials & laboratories, and graded assessments. Participated in the Teaching and Learning Committee (Faculty of Science). Offered Honours research topics, and assessed papers.
- Aug 2000–Apr 2002 **Independent / Nyanza Software** <nyanzasoftware.com> *Georgetown, Guyana*
Owner (Informal); Software Developer (No formal income)
- Established my website. Developed freeware utilities. Designed a future “Smart Assistant” program.
- Oct 1995–Jun 2000 **Mobius Management Systems, Inc.** (→:) <rocketsoftware.com> *Rye, NY, USA*
Software Engineer (Salary in normal range)
- Electronic Document Warehousing (EDW) and Enterprise Report Management (ERM): Assisted in developing & maintaining mainframe batch-&-server and LAN client/server systems for archiving, indexing, distributing and viewing enterprise data. Assisted in correcting Year-2000 (Y2K) issues. Resolved major incidents, helped improve source code management, and developed QA tests.
- Apr 1994–Sep 1995 **Zyware Systems, Inc.** (Now closed) *New York, NY, USA*
Computer Programmer (Salary in normal range)
- Helped develop & maintain client/server path-mapping systems, networking DLLs, and web CGI / HTML interfaces. Developed multimedia touring apps & related databases, and e-magazines.
- Oct 1990–Jun 1993 **Artificial Intelligence Lab, U. Of Chicago** (Now dissolved) *Chicago, IL, USA*
Teaching/Research Assistant (Stipend in normal range)
- Sep 1983–Jul 1984 **Guyana Mining Enterprises (GUYMINE)** <www.guymine.com> *Linden, Guyana*
Computer Programming Intern (Unpaid work-study)

EDUCATION:

- January 1994 **The University Of Chicago** <uchicago.edu> *Chicago, IL, USA*
M.Sc. (S.M.) in Computer Science [Artificial Intel. (AI) / Case-Based Reasoning (CBR)]
 • G.P.A. ('A' = 4.0): 3.0 (Overall), 3.5 (CBR)
 • AI Tutoring System (Thesis Research in CBR); Teaching/Research Assistant
- February 1990 **Brooklyn College, C.U.N.Y.** <brooklyn.cuny.edu> *Brooklyn, NY, USA*
B.Sc. in Computer & Information Science; Dual Major (B.A. equiv.) in Africana Studies
 {Transferred from Columbia University, NYC (September 1984 - December 1986), in September 1987}
 • G.P.A. [Post-Transferral, at B.C.] ('A' = 4.0): 3.74 (Overall), 3.5 (CIS), 4.0 (AS)
 • Honours: Phi Beta Kappa; Jack Wolfe Award (CIS); Daniel Mayers Award (AS); Dean's List; etc.
 • GRE:- Verbal: 800 (99%r), Quant.: 700 (81%r), Analytical: 620 (75%r) | Subjects:- CS: 700 (79%r)
- July 1983 **The Bishops' High School** (*Social: <[BHS, Guyana \[Facebook\]](https://www.facebook.com/BHS.Guyana)>*) *Georgetown, Guyana*
Graduation Certificate {NB:- Subjects in **boldface** denote distinction.}
 • 3 GCE 'A' (Mathematics, Further Mathematics, Physics)
 • 8 GCE 'O' / CXC CSEC (Bio, Chem, **Physics**, Pure Maths; **English 'A'**, Geography, Maths, Spanish)
 • SAT:- V: 730 (99%r), M: 700 (97%r) | AT:- En Comp: 720 (98%r), M II: 740 (80%r), Phys: 750 (92%r)

SKILLS OVERVIEW: {NB:- Entries in **boldface** denote active skills. Professional unless otherwise noted.}Areas (Categories) {1–30 years}:

Analyst / Dev Programming {30 yrs.} • **Application Dev & Support {30 yrs.}** • Data Warehousing {10 yrs.} • Software Engineering {10 yrs.} • Systems Analysis {1 yr.} • Db Management {2.5 yrs.} • Internet Programming {4.5 yrs.} • Mobile Programming {0.5 yr.} • Teaching (Lecturing, etc.) {6.5 yrs.}

Languages & Protocols {1–33 years}:

Asm {0.5 yr.} • Basic (VB) {2 yrs.} • **C Family (C, C++, Obj-C, C#) {33 yrs.}** • Cobol {2 yrs.} • Internet & Web (PHP / +) {4.5 yrs.} • **Internet & Web (HTML) (Personal) {10 yrs.}** • Java {8 yrs.} • Lisp / Scheme {7 yrs.} • Pascal / Delphi {2 yrs.} • Shell (Bash) {4 yrs.} • **Shell (Bash / +) (Personal) {10 yrs.}** • SQL {5.5 yrs.} • **Swift {1.5 yrs.}**

Platforms {3–15.5 years; 5–39 years (Personal)}:

Android 5+ (Phones) {0.5 yr.} • **Linux: Red Hat 6–7 (Intel Desktop) {3 yrs.}** • **Mac OS 8–10+ (Apple Mac) {10 yrs.}** • **Mac System / OS 1–10+ (Apple Mac) (Personal) {39 yrs.}** • OS/390, MVS (IBM Mainframe) {4 yrs.} • **Unix (Sun / Solaris) (Sun / Intel Server) {3 yrs.}** • **Unix (BSD) (Apple Mac) (Personal) {10 yrs.}** • **Windows 9x/NT–10 (Intel Desktop) {15.5 yrs.}** • **Windows Server 2K3–8 (Intel Desktop) {5 yrs.}**

Topics (Education) {1–3 years}:

Algorithms {3 yrs.} • Artificial Intelligence {1 yr.} • Automata Theory {1 yr.} • Computer Organisation {1 yr.} • Data Structures {2 yrs.} • Digital Logic {1 yr.} • Software Dev & Engineering {1 yr.} • Mobile Dev {0.5 yr.} • Web Front-/Back-End Dev {1.5 yrs.} • Desktop+Web (MS *.NET) Dev {0.5 yr.}

General Quantitative:

Coding Camp {2.5 yrs.} • Committee / Team {12 yrs.} • CS (Teaching) {3.5 yrs.} • **IT {30 yrs.}** • Project Management {2 yrs.} • Support {6 yrs.} • Systems Analysis {1 yr.}

General Qualitative:

Ability to deal with change {Good} • <...> • Ability to work in a team {Excellent} • Communication skills {Very Good} • Conflict resolution {Good} • **Decision making skills {Very Good}** • **Independence (Working alone) {Excellent}** • <...> • Listening skills {Excellent} • <...> • **Motivational skills (Self) {Excellent}** • <...> • Stress management (Others) {Good} • **Stress management (Self) {Average}**

OTHER:

Affiliations: Assoc. of Computing Machinery (ACM) {2003+} • Apple Dev Program (ADP) {1986+} • etc.

References: [Available upon request.]

Personal Interests: World History & Philosophy, and related Global Economy / Trade • Black / African Civilisations • Community Self-Help & study groups • Pets & Nature