Kentaro Hara (Contact: xharaken@gmail.com, +81-080-8429-1712, Tokyo Japan)

Skills

- Tech-leading large-scale engineering projects across globally distributed offices.

- Deep technical expertise on large-scale software design and implementation, including open source platform development.

- Building a strong organization of engineers with diverse backgrounds.

- Building partnership with universities and teaching computer science to underrepresented students to increase diversity in the tech industry.

- Deep expertise on economic theories and blockchain technologies.

- Programming languages: C/C++, Python, JavaScript, Java

- Technologies: Open source platforms, Web platforms, Browser engines, Operating systems, Programming language runtime, Garbage collections, Memory allocators, Parallel and distributed programming, Performance optimization, Cryptocurrencies, Blockchains

- Speaking languages: English (full professional proficiency, TOEIC 965), Japanese (native)

Work experience

Google, Tokyo, Japan
  Principal Software Engineer (2021 — Present; the most promoted position as a software engineer in Google Japan)
  Senior Staff Software Engineer (2017 — 2021)
  Staff Software Engineer (2014 — 2017)
  Senior Software Engineer (2013 — 2014)
  Software Engineer (2011 — 2013)

- Worked as the most active reviewer of Chromium and reviewed 22000 patches from 600+ engineers. Worked as a top-level owner of Chromium and made various key engineering decisions that affect the entire codebase.

- Worked as a technical lead of Chromium's rendering engine architecture. Led multiple large-scale projects across distributed offices in London, Munich, Paris, Sydney, San Francisco, Waterloo etc. Designed and implemented large-scale foundational systems of the browser engine, including a C++ garbage collection, massive memory reductions, security primitives to improve memory safety, browser's back-forward cache and large-scale code refactoring. Some of the design documents are published here.

- Worked as a people manager for a Chrome Browser Tokyo team (40 engineers). Established a high-performing organization by investing in diversity, inclusion, trust and psychological safety.

- To increase diversity in the tech industry, launched STEP as an education program for underrepresented students in Japan (300+ students graduated in the past 9 years with my direct contributions). Organized 20+ university workshops to inspire students. Worked as an engineering lead of Google Japan's internship program and strategically designed the program structure that converted many interns to full-time employees, realizing their dreams.

- Patents: GP-18781-00-US, GP-18511-00-US, GP-13193-00-US

Education

The University of Tokyo
  Master's degree, Information Science and Technology (2009 - 2011)
  Bachelor's degree, Faculty of Engineering (2005 - 2009)

- Researched parallel and distributed programming languages. Full publications are available here.

- Got the award from the Chairman of Faculty of Engineering of the University of Tokyo (   ) for my graduate thesis.

- Got the award from the Chairman of Graduate School of Information Science and Technology of the University of Tokyo (   ) for my master thesis.

Hobby projects

- Have deep expertise on economic theories. Ranked 2nd in the employment examination of Japan's National Public Servants for economics (   ).

- Passionate about blockchain technologies and launched an algorithm-based stablecoin called JohnLawCoin.